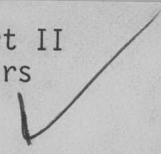


11330.2 CHEMICAL ANALYSIS

OPEN

CLOSED

TEMP. SECNAVINST 5212.5B, Part II
Chap 11, par. 11300(2) 2 years



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MC8CL 11330/3 (REV 7-87)

DATE COLLECTED 9-29-87 DATE(S) ANALYZED 9-29

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLOW BEACH 04-67-048			
pH-LABORATORY	9.0	8.9	8.7	8.0	8.5	7.8			
STABILITY	+0.8	+0.2	+0.5	-0.3	+0.1	-0.4			
PHENOLTHALEIN ALKALINITY (PPM)	8	14	2	0	4	0			
METHYL ORANGE ALKALINITY (PPM)	64	144	76	172	174	148			
CARBONATES AS CaCO ₃ (PPM)	16	28	4	0	8	0			
BICARBONATES AS CaCO ₃ (PPM)	48	116	72	172	166	148			
CHLORIDES AS Cl (PPM)	20	92	18	22	26	30			
HARDNESS AS CaCO ₃ (PPM)	94	50	82	80	54	52			
IRON AS Fe (PPM)	←	AA	DOWN	→					
FLUORIDE (PPM)	AM	0.89 1.03	0.58	1.23 1.42	0.10	0.08	0.17		
	PM								
TURBIDITY (NTUS)	AM	0.6 0.9	0.9	0.7 1.2	0.7	0.8	1.2		
	PM								
CHLORINE RESIDUAL (PPM)	1.0	1.0	1.1	1.0	1.0	1.7			

REMARKS:

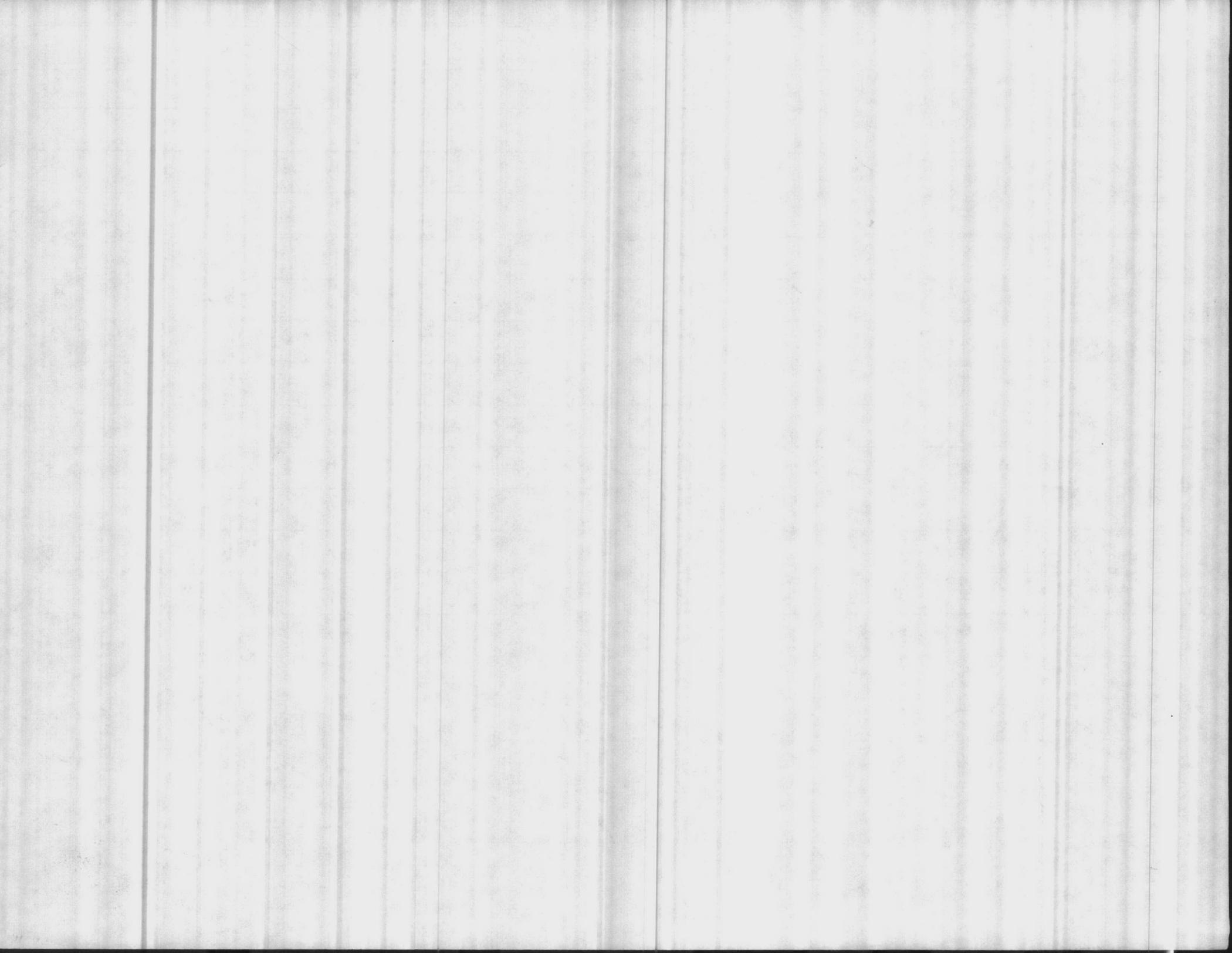
- COPY TO:
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 - PMU, NAVHOSP PMU, MCAS-NR
 - DIVISION OF HEALTH SERVICES
 - N.C. DEPT OF HUMAN RESOURCES
 - NREAD
 - FILE (ATTACH WKST)

REPORT DATE:

9/29/87

REPORT PREPARED BY:

Carol S. Shaw



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV 7-87)

DATE COLLECTED 9-22-87

DATE ANALYZED 9-22-87

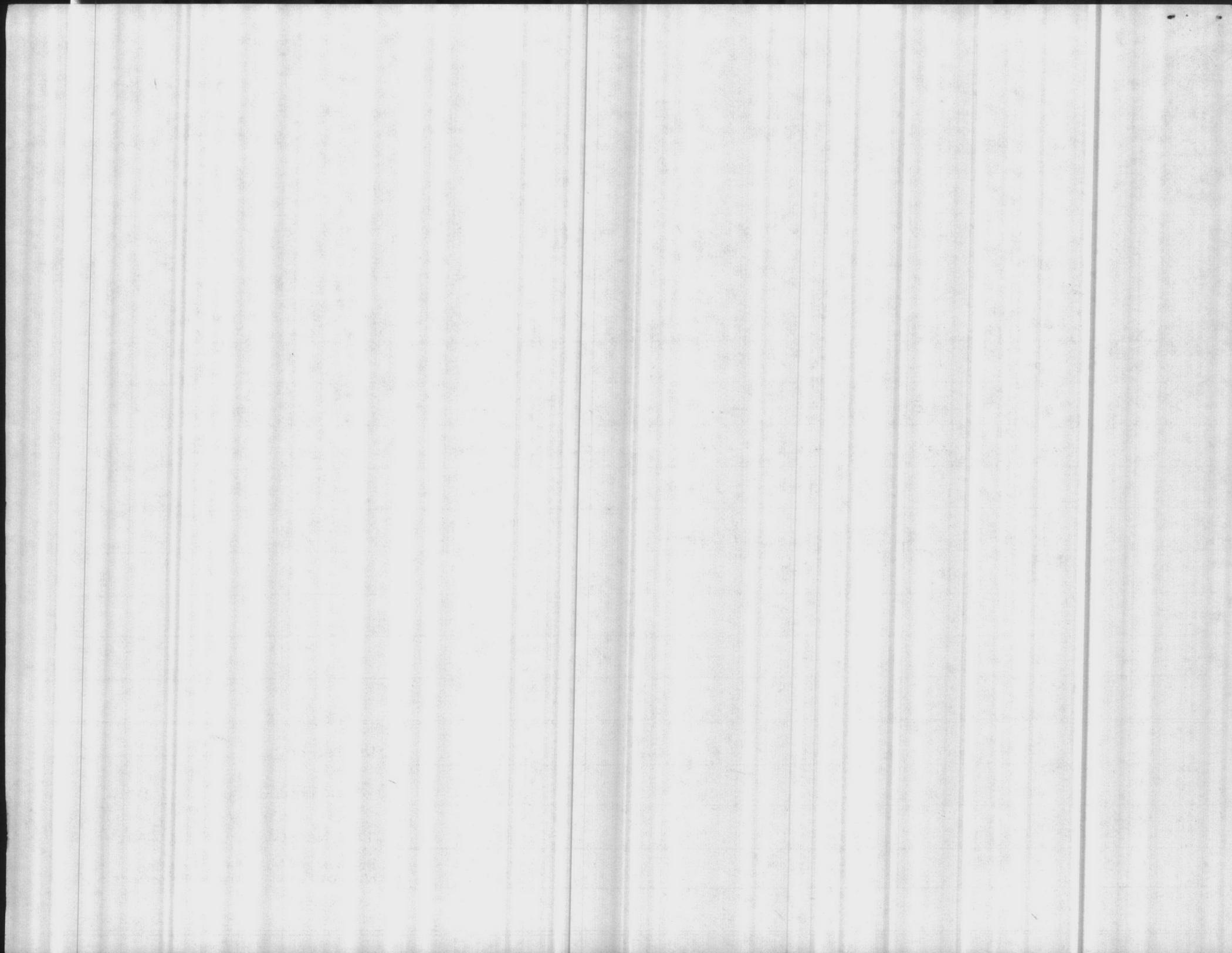
PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.3	8.9	8.8	8.3	8.3	7.9			
STABILITY	0.0	+0.1	+0.3	-0.1	-0.2	-0.3			
PHENOLTHALEIN ALKALINITY (PPM)	0	6	2	0	4	0			
METHYL ORANGE ALKALINITY (PPM)	60	138	56	172	180	170			
CARBONATES AS CaCO ₃ (PPM)	0	12	4	0	8	0			
BICARBONATES AS CaCO ₃ (PPM)	60	126	52	172	172	170			
CHLORIDES AS Cl (PPM)	16	68	14	18	40	22			
HARDNESS AS CaCO ₃ (PPM)	76	50	60	74	64	56			
IRON AS Fe (PPM)				AA Down					
FLUORIDE (PPM)	AM 0.98 PM 1.02	0.49	1.16 1.16	0.11	0.09	0.12			
TURBIDITY (NTUS)	AM 1.4 PM 0.6	0.8	1.3 1.1	0.7	0.8	0.9			
CHLORINE RESIDUAL (PPM)	1.0	1.0	1.5	1.3	1.1	1.4			

REMARKS: O.B. Pond pH = 8.0

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 - PMU, MCAS-NR
 - DIVISION OF HEALTH SERVICES
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 - NREAD
 - FILE (ATTACH WKST)

REPORT DATE: 9-22-87

REPORT PREPARED BY: Robert S. Byrnes



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 ICBCL 11330/3 (REV 7-87)

DATE COLLECTED
 9-15-87

DATE(S) ANALYZED
 9-15-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048		
PH-LABORATORY	8.0	8.5	8.0	7.9	7.9	7.6		
STABILITY	+0.2	+0.1	0.0	-0.1	-0.2	-0.3		
PHENOLTHALEIN ALKALINITY (PPM)	0	6	0	0	0	0		
METHY. ORANGE ALKALINITY (PPM)	76	130	72	170	174	160		
CARBONATES AS CaCO ₃ (PPM)	0	12	0	0	0	0		
BICARBONATES AS CaCO ₃ (PPM)	76	118	72	170	174	160		
CHLORIDES AS Cl (PPM)	4	52	6	12	32	16		1
HARDNESS AS CaCO ₃ (PPM)	70	58	86	76	68	94		
IRON AS Fe (PPM)				A.A. DOWN				
FLUORIDE (PPM)	AM / PM 1.0 / 1.1	0.52	AM / PM 1.04 / 0.90	0.12	0.10	0.11		
TURBIDITY (NTUS)	AM / PM 0.4 / 0.4	0.8	AM / PM 0.5 / 0.6	0.4	0.4	0.7		
CHLORINE RESIDUAL (PPM)	1.0	0.1	1.2	1.3	1.0	1.1		

REMARKS:

O.B. Pond PH 8.1

COPY TO:

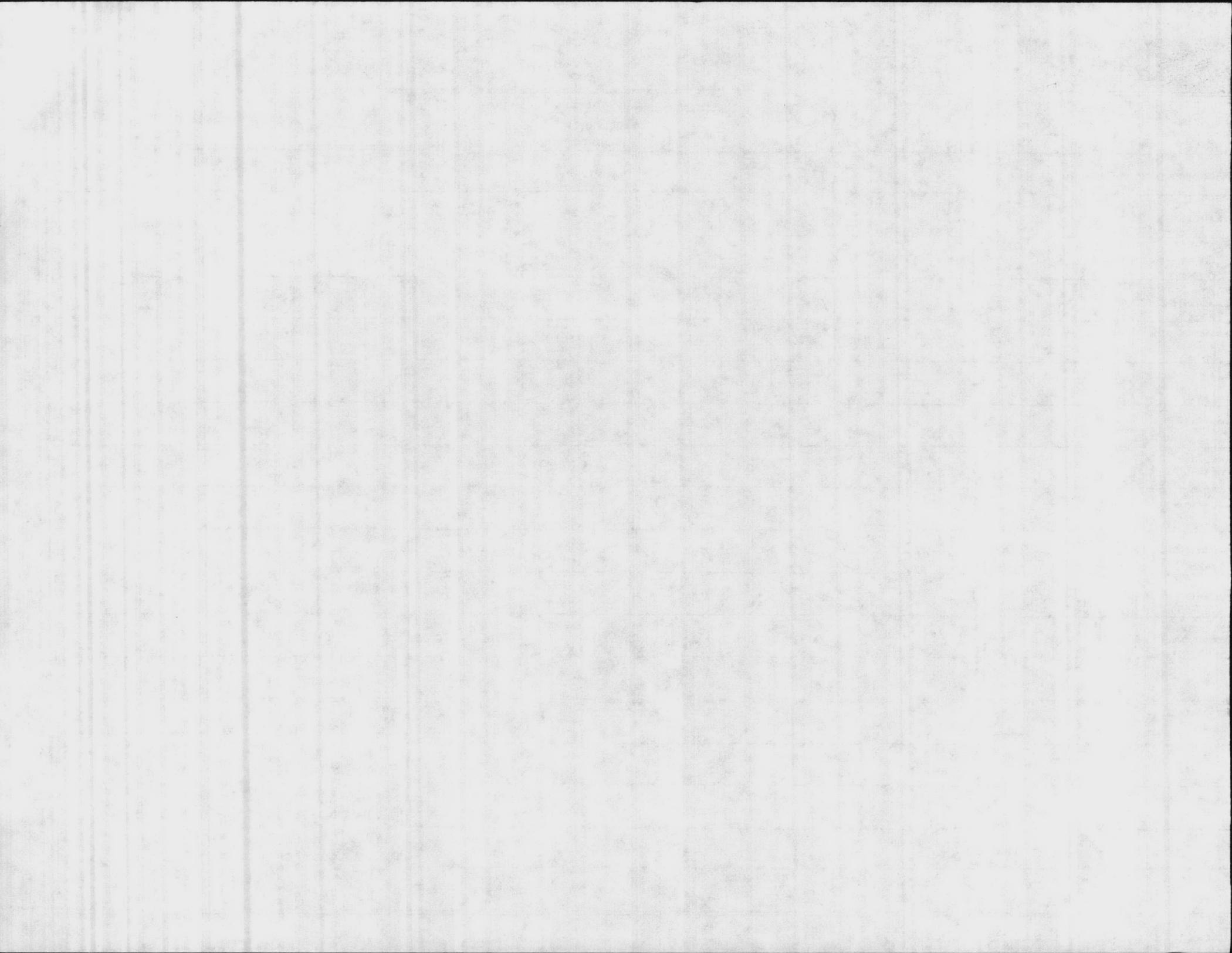
- UTIL DIR, BMD
- WATER TREATMENT, UTIL DIV, BMD
- PMU, NAVHOSP
- PMU, MCAS-NR
- DIVISION OF HEALTH SERVICES
N.C. DEPT OF HUMAN RESOURCES
- NREAD
- FILE (ATTACH WKST)

REPORT DATE:

9-16-87

REPORT PREPARED BY:

Robert G. Deffen



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV 7-87)

DATE COLLECTED: 9-8-87
 DATE(S) ANALYZED: 9-8-87

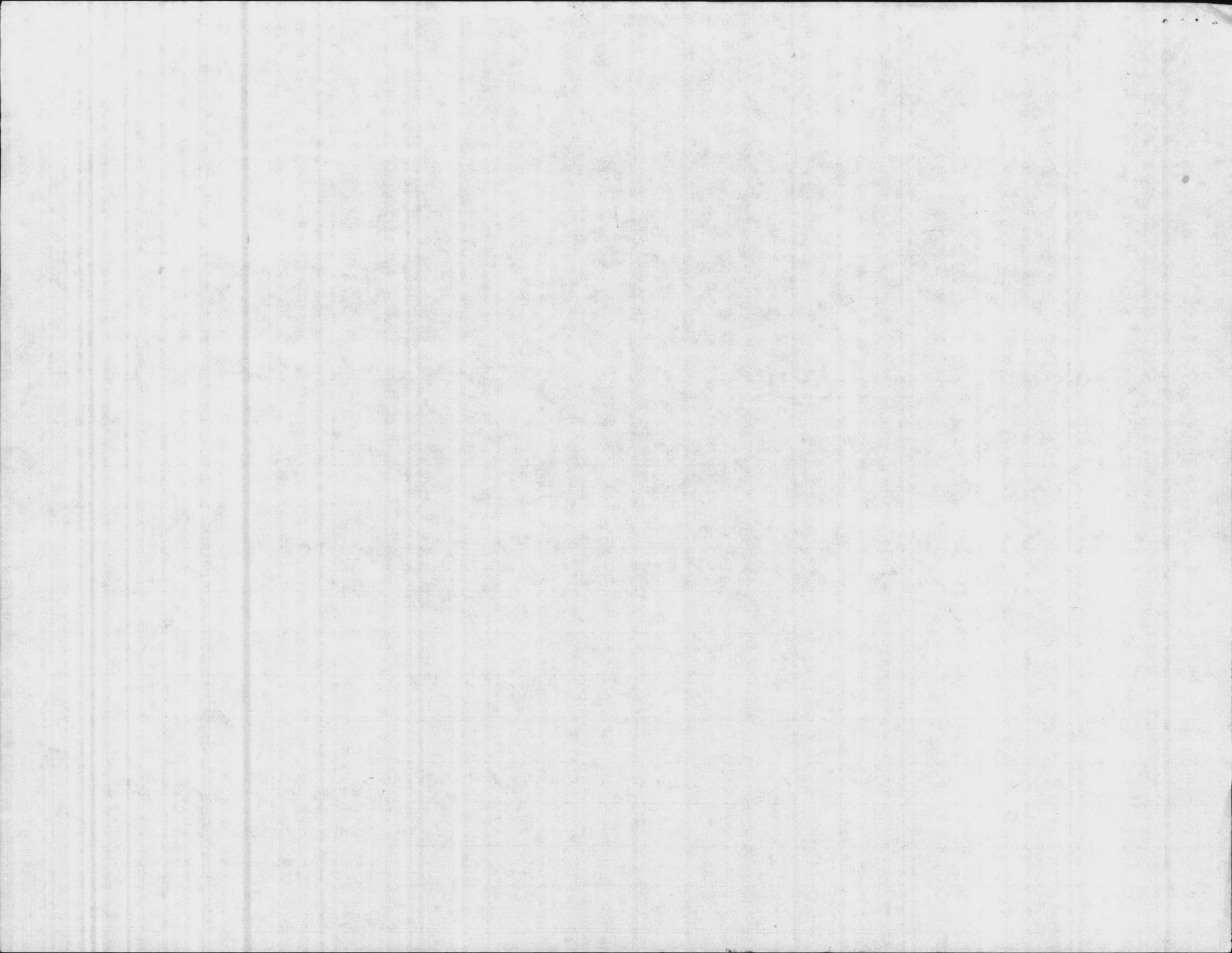
PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.2	8.8	8.8	7.9	8.2	7.5			
STABILITY	+0.1	+1.1	+0.7	-0.3	0.0	-0.6			
PHENOLTHALEIN ALKALINITY (PPM)	0	6	4	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	64	104	64	168	168	162			
CARBONATES AS CaCO ₃ (PPM)	0	12	8	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	64	92	56	168	168	162			
CHLORIDES AS Cl (PPM)	8	50	12	16	40	24			
HARDNESS AS CaCO ₃ (PPM)	68	52	68	70	58	48			
IRON AS Fe (PPM)				A.A. Down					
FLUORIDE (ppm)	AM 0.92 PM 1.1	0.5	AM 0.96 PM 1.3	0.13	0.10	0.12			
TURBIDITY (NTUS)	AM 0.3 PM 0.4	0.7	AM 0.4 PM 0.4	0.4	0.3	1.8			
CHLORINE RESIDUAL (PPM)	1.0	0.8	1.1	1.3	0.6	1.2			

REMARKS: OB-Pond = 8.0

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 - PMU, MCAS-NR
 - DIVISION OF HEALTH SERVICES
N.C. DEPT. OF HUMAN RESOURCES
 - NREAD
 - FILE (ATTACH WKST)

REPORT DATE: 9-8-87

REPORT PREPARED BY:
 Robert G. Deppen



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MC8CL 11330/3 (REV 7-87)

DATE COLLECTED: 9-1-87
 DATE(S) ANALYZED: 9-1-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.2	8.8	8.8	8.2	8.4	7.7			
STABILITY	-0.2	+0.1	+0.4	-0.3	-0.1	-0.8			
PHENOLTHALEIN ALKALINITY (PPM)	0	16	18	0	2	0			
METHYL ORANGE ALKALINITY (PPM)	66	142	72	184	184	172			
CARBONATES AS CaCO ₃ (PPM)	0	32	36	0	21	0			
BICARBONATES AS CaCO ₃ (PPM)	66	110	36	184	180	172			
CHLORIDES AS Cl (PPM)	14	64	16	18	46	26			
HARDNESS AS CaCO ₃ (PPM)	90	72	112	86	74	82			
IRON AS Fe (PPM)	AA	DOWN							
FLUORIDE (PPM)	AM PM 0.12 0.115	0.52	0.33 0.31	0.11	0.09	0.14			
TURBIDITY (NTUS)	AM PM 0.7 0.3	0.6	1.0 0.6	0.3	0.5	2.8			
CHLORINE RESIDUAL (PPM)	1.0	0.9	1.2	1.7	1.0	1.2			

REMARKS:

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N.C. DEPT OF HUMAN RESOURCES
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REPORT DATE:

9-1-87

REPORT PREPARED BY:

Carl S. Shover



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MC8CL 11330/3 (REV 7-87)

DATE COLLECTED **8-25-87** DATE(S) ANALYZED **8-25-87**

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.2	8.8	8.6	8.0	8.4	7.6			
STABILITY	-0.1	+0.2	0	-0.4	-0.1	-1.2			
PHENOLTHALEIN ALKALINITY (PPM)	0	8	4	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	70	132	60	182	172	184			
CARBONATES AS CaCO ₃ (PPM)	0	16	8	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	70	116	52	182	172	184			
CHLORIDES AS Cl (PPM)	14	66	14	10	38	28			
HARDNESS AS CaCO ₃ (PPM)	72	92	74	78	82	60			
IRON AS Fe (PPM)	AA	DOWN	—————→						
FLUORIDE (PPM)	AM	0.70	0.96	0.14	0.11	0.15			
	PM	0.61	0.65	1.14					
TURBIDITY (NTUS)	AM	0.7	0.8	0.7	0.8	0.8			
	PM	0.7	1.3	0.9					
CHLORINE RESIDUAL (PPM)	1.0	0.7	1.4	1.2	1.1	1.1			

REMARKS:

- COPY TO:
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 - PMU, NAVHOSP PMU, MCAS-NR
 - DIVISION OF HEALTH SERVICES
N.C. DEPT OF HUMAN RESOURCES
 - NREAD FILE (ATTACH WKST)

REPORT DATE: **8/25/87**

REPORT PREPARED BY: *Carol S. Johnson*



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MC8CL 11330/3 (REV 7-87)

DATE COLLECTED

8-18-87

DATE(S) ANALYZED

8-18-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ON SLOW. BEACH 04-67-048			
pH-LABORATORY	9.2	8.5	8.6	7.9	8.2	7.7			
STABILITY	+0.4	0	+0.3	-0.4	-0.2	-0.6			
PHENOLTHALEIN ALKALINITY (PPM)	12	6	2	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	56	142	62	192	152	174			
CARBONATES AS CaCO ₃ (PPM)	24	12	4	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	32	130	58	192	152	174			
CHLORIDES AS Cl (PPM)	14	78	16	18	10	26			
HARDNESS AS CaCO ₃ (PPM)	50	50	70	56	62	56			
IRON AS Fe (PPM)	-	-							
FLUORIDE (PPM)	AM PM 0.85 0.92	0.55	0.88 0.87	0.12	0.10	0.14			
TURBIDITY (NTUS)	AM PM 0.3 0.5	0.2	0.2 0.3	0.1	0.1	0.1			
CHLORINE RESIDUAL (PPM)	1.0	0.8	1.2	1.2	0.8	NONE RECORDED			

REMARKS:

COPY TO:

- UTIL DIR, BMD _____
- WATER TREATMENT, UTIL DIV, BMD
- PMU, NAVHOSP PMU, MCAS-NR
- DIVISION OF HEALTH SERVICES
 N.C. DEPT OF HUMAN RESOURCES
- NREAD FILE (ATTACH WKST)

REPORT DATE:

8-18-87

REPORT PREPARED BY:

CAROL S. SHOKES



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV 7-87)

DATE COLLECTED: 8-18-87
 DATE(S) ANALYZED: 8-18-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	9.2	8.5	8.6	7.9	8.2	7.7			
STABILITY	+ 0.4	0	+ 0.3	- 0.4	- 0.2	- 0.6			
PHENOLTHALEIN ALKALINITY (PPM)	12	6	2	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	56	142	62	192	152	174			
CARBONATES AS CaCO ₃ (PPM)	24	12	4	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	32	130	58	192	152	174			
CHLORIDES AS Cl (PPM)	14	78	16	18	10	26		1	
HARDNESS AS CaCO ₃ (PPM)	50	50	70	56	62	56			
IRON AS Fe (PPM)	AA	DOWN							
FLUORIDE (PPM)	AM PM 0.85 0.92	0.55	AM PM 0.88 0.87	0.12	0.10	0.14			
TURBIDITY (NTUS)	AM PM 0.3 0.5	0.2	AM PM 0.2 0.3	0.1	0.1	0.1			
CHLORINE RESIDUAL (PPM)	1.0	0.8	1.2	1.2	0.8	N.R.			

REMARKS:
 N.R. = NO RESULTS

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 - PMU, NAYHOSP PMU, MCAS-NR
 - DIVISION OF HEALTH SERVICES
N.C. DEPT OF HUMAN RESOURCES

REPORT DATE: 8-18-87

REPORT PREPARED BY: *Carol Shores*

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why?

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MC8CL 11330/3 (REV 7-87)

DATE COLLECTED: 8-11-87
 DATE(S) ANALYZED: 8-11-87

PLANT	HADNOT POINT	MCAS NEW RIVER	HOLCOMB BLVD	COURTHOUSE BAY	RIFLE RANGE	ON SLOW BEACH			
PARAMETER (UNITS)	04-67-041	04-67-042	04-67-043	04-67-046	04-67-047	04-67-048			
pH-LABORATORY	9.1	8.7	8.6	7.7	8.2	7.6			
STABILITY	-0.6	0.0	+0.2	-0.7	-0.3	-0.7			
PHENOLTHALEIN ALKALINITY (PPM)	8	12	2	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	48	136	60	172	150	160			
CARBONATES AS CaCO ₃ (PPM)	16	24	4	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	32	112	56	172	150	160			
CHLORIDES AS Cl (PPM)	14	74	12	18	24	20			
HARDNESS AS CaCO ₃ (PPM)	60	50	68	56	42	68			
IRON AS Fe (PPM)	—	—	A.A. DOWN		—	—			
FLUORIDE (PPM)	AM	0.57	0.94	0.12	0.10	0.14			
	PM								
TURBIDITY (NTUS)	AM	1.0	0.6	0.6	0.7	0.9			
	PM								
CHLORINE RESIDUAL (PPM)	1.1	0.8	1.1	1.2	1.0	1.1			

REMARKS:

COPY TO:
 UTIL DIR, BMD _____
 WATER TREATMENT, UTIL DIV, BMD
 PMU, NAVHOSP PMU, MCAS-NR
 DIVISION OF HEALTH SERVICES
 N.C. DEPT OF HUMAN RESOURCES
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REPORT DATE: 8-11-87 REPORT PREPARED BY: H. J. Burns

8-11-8

77

8-11-8

8-11-8

8-11-8

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8-11-8

8-11-8

[Faint, mostly illegible handwritten text, possibly bleed-through from the reverse side of the page. Some words like "DOWN" and "UP" are visible.]

8-11-8

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV 7-87)

DATE COLLECTED
 8-4-87

DATE(S) ANALYZED
 8-4-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	9.0	8.5	8.6	7.9	8.3	7.5			
STABILITY	+0.9	+0.1	+0.5	-0.14	-0.1	-0.7			
PHENOLTHALEIN ALKALINITY (PPM)	8	12	4	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	54	152	60	170	160	150			
CARBONATES AS CaCO ₃ (PPM)	16	24	8	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	38	128	52	170	160	150			
CHLORIDES AS Cl (PPM)	1.6	80	14	16	26	14			
HARDNESS AS CaCO ₃ (PPM)	60	56	66	54	54	82			
IRON AS Fe (PPM)	—	—	A.A.	Down	—	—			
FLUORIDE (PPM)	AM PM	0.41 0.64	0.63	1.07 1.04	0.12	0.12	0.15		
	AM PM	0.3 0.2	0.2	0.1 0.2	0.1	0.1	0.1		
TURBIDITY (NTUS)									
CHLORINE RESIDUAL (PPM)	1.1	0.8	1.2	1.2	1.0	1.5			

REMARKS:

OB-Pond = 77

COPY TO:

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- WATER TREATMENT, UTIL Div, BMD
- PMU, NAVHOSP PMU, MCAS-NR
- DIVISION OF HEALTH SERVICES
N.C. DEPT OF HUMAN RESOURCES
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REPORT DATE:

8-4-87

REPORT PREPARED BY:

H. J. Burns

CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

TEST EELLS

DATE COLLECTED

7-17-87

DATE OF ANALYSIS

7-17-87

MCBCL 11330/3 (REV 6-84)

PARAMETER	HADNOT POINT #2	CAMP JOHNSON #3	TARAW TERRAC #4	ONSLOW BEACH #5	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	7.6	7.7	8.1	8.2						
PHENOLTHALEIN ALKALINITY	0	0	0	0						
METHYL ORANGE ALKALINITY	150	184	120	90						
CARBONATES AS CaCO ₃	0	0	0	0						
BICARBONATES AS CaCO ₃	150	184	120	90						
CHLORIDES AS Cl	10	8	10	6						
HARDNESS AS CaCO ₃	160	156	102	90						
IRON AS Fe	A.A. Down									
FLUORIDE	0.15	0.34	0.25	0.27						
CHLORINE RESIDUAL										
TURBIDITY	24.1	21.9	23.9	25.1						
TOTAL PHOSPHATE										
Static	7'	14'6"	7'	19'						
Depth	90'	75'	107'	103'						
STABILITY										

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Buran

ALLEN 2-1-02 142

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCCL 11330/3 (REV 7-87)

DATE COLLECTED
7-21-87

DATE(S) ANALYZED
7-21-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.5	8.5	8.7	7.9	8.2	7.6			
STABILITY	+0.3	+0.2	+0.6	-0.4	-0.1	-0.6			
PHENOLTHALEIN ALKALINITY (PPM)	4	10	6	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	60	144	52	160	160	160			
CARBONATES AS CaCO ₃ (PPM)	8	20	12	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	52	122	40	160	160	160			
CHLORIDES AS Cl (PPM)	10	70	10	16	50	18			
HARDNESS AS CaCO ₃ (PPM)	56	54	60	56	60	56			
IRON AS Fe (PPM)									
FLUORIDE (PPM)	AM PM 1.01 0.78	0.54	0.98 0.94	0.12	0.09	0.13			
TURBIDITY (NTUS)	AM PM 0.2 0.2	0.1	0.2 0.6	0.1	0.1	0.2			
CHLORINE RESIDUAL (PPM)	1.0	0.8	1.4	1.4	1.0	1.7			

REMARKS:

COPY TO:

- UTIL DIR, BMD _____
- WATER TREATMENT, UTIL DIV, BMD
- PMU, NAVHOSP PMU, MCAS-NR
- DIVISION OF HEALTH SERVICES
N.C. DEPT OF HUMAN RESOURCES
- NREAD FILE (ATTACH WKST)

REPORT DATE:

7-22-87

REPORT PREPARED BY:

H. J. Burns

7

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV 7-87)

DATE COLLECTED: 7-21-87
 DATE(S) ANALYZED: 7-21-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.5	8.5	8.7	7.9	8.2	7.6			
STABILITY	+0.3	+0.2	+0.6	-0.4	-0.1	-0.6			
PHENOLTHALEIN ALKALINITY (PPM)	4	10	6	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	60	144	52	160	160	160			
CARBONATES AS CaCO ₃ (PPM)	8	20	12	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	52	122	40	160	160	160			
CHLORIDES AS Cl (PPM)	10	70	10	16	50	18			
HARDNESS AS CaCO ₃ (PPM)	56	54	60	56	60	56			
IRON AS Fe (PPM)									
FLUORIDE (PPM)	AM PM 1.01 0.78	0.54	0.98 0.94	0.12	0.09	0.13			
TURBIDITY (NTUS)	AM PM 0.2 0.2	0.1	0.2 0.6	0.1	0.1	0.2			
CHLORINE RESIDUAL (PPM)	1.0	0.8	1.4	1.4	1.0	1.7			

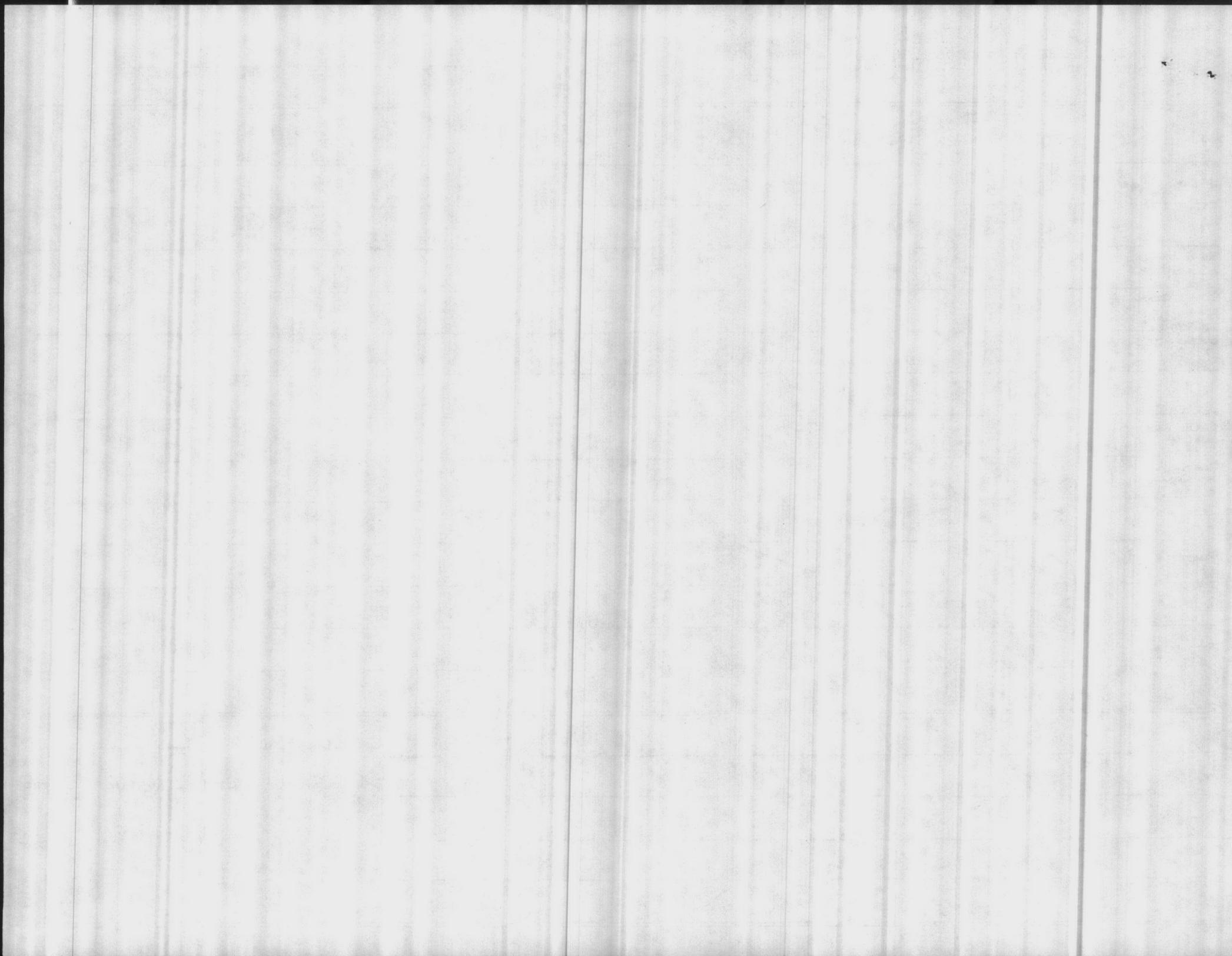
REMARKS: KEEP UP THE GOOD WORK

J. J. Miller

- COPY TO:
- UTIL Div, BMD
 - WATER TREATMENT, UTIL Div, BMD
 - PMU, NAVHOSP
 - PMU, MCAS-NR
 - DIVISION OF HEALTH SERVICES
N.C. DEPT OF HUMAN RESOURCES
 - NREAD
 - FILE (ATTACH WKST)

REPORT DATE: 7-22-87

REPORT PREPARED BY: H. J. Burns



ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
 CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV 7-87)

DATE COLLECTED: 7-28-87
 DATE(S) ANALYZED: 7-28-87

PLANT PARAMETER (UNITS)	HADNOT POINT 04-67-041	MCAS NEW RIVER 04-67-042	HOLCOMB BLVD 04-67-043	COURTHOUSE BAY 04-67-046	RIFLE RANGE 04-67-047	ONSLow BEACH 04-67-048			
pH-LABORATORY	8.4	8.6	8.6	8.0	8.2	7.5			
STABILITY	+0.4	+0.2	+0.5	-0.3	-0.1	-0.7			
PHENOLTHALEIN ALKALINITY (PPM)	2	8	4	0	0	0			
METHYL ORANGE ALKALINITY (PPM)	56	138	60	164	154	156			
CARBONATES AS CaCO ₃ (PPM)	4	16	8	0	0	0			
BICARBONATES AS CaCO ₃ (PPM)	52	122	52	164	154	156			
CHLORIDES AS Cl (PPM)	12	70	16	18	40	20			
HARDNESS AS CaCO ₃ (PPM)	62	48	70	56	50	60			
IRON AS Fe (PPM)			A.A. DOWN						
FLUORIDE (PPM)	AM	1.14	0.58	1.12	0.14	0.11	0.15		
	PM			0.99					
TURBIDITY (NTUS)	AM	0.1	0.7	0.1	0.2	0.2	0.6		
	PM			0.5					
CHLORINE RESIDUAL (PPM)		1.0	0.8	0.9	1.3	1.7	1.3		

REMARKS:

COPY TO:
 UTIL DIR, BMD _____
 WATER TREATMENT, UTIL DIV, BMD
 PMU, NAVHOSP PMU, MCAS-NR
 DIVISION OF HEALTH SERVICES
 N.C. DEPT OF HUMAN RESOURCES
 NREAD FILE (ATTACH WKST)

REPORT DATE: 7-28-87
 REPORT PREPARED BY: H. J. Burns

✓

CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS TEST WELLS

MCBCL 11330/3 (REV 6-84)

DATE COLLECTED

7-17-87

DATE OF ANALYSIS

7-17-87

PARAMETER	HADNOT POINT #2	CAMP JOHNSON #3	TARAWA TERRACE #4	ONSLOW BEACH #5	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	7.6	7.7	8.1	8.2						
PHENOLTHALEIN ALKALINITY	0	0	0	0						
METHYL ORANGE ALKALINITY	150	184	120	90						
CARBONATES AS CaCO ₃	0	0	0	0						
BICARBONATES AS CaCO ₃	150	184	120	90						
CHLORIDES AS Cl	10	8	10	6						
HARDNESS AS CaCO ₃	160	156	102	90						
IRON AS Fe	A.A.	DOWN								
FLUORIDE	0.15	0.34	0.25	0.27						
CHLORINE RESIDUAL										
TURBIDITY	24.1	21.9	23.9	25.1						
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY										

REMARKS

COPY TO:

UTIL-DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

BURNS

CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV 6-84)

DATE COLLECTED

7-14-87

DATE OF ANALYSIS

7-14-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.7			7.6	7.8	8.3	8.6	8.6		
PHENOLTHALEIN ALKALINITY	4			0	0	0	4	12		
METHYL ORANGE ALKALINITY	60			150	160	156	56	140		
CARBONATES AS CaCO ₃	8			0	0	0	8	24		
BICARBONATES AS CaCO ₃	52			150	160	156	48	116		
CHLORIDES AS Cl	10			20	14	44	16	70		
HARDNESS AS CaCO ₃	70			54	50	50	60	48		
IRON AS Fe	---			---	A.A	DOWN	---	---		
FLUORIDE	0.75			0.16	0.13	0.10	1.00	0.55		
CHLORINE RESIDUAL	0.9			1.6	1.2	1.0	1.1	0.9		
TURBIDITY	0.2			0.4	0.1	0.1	0.5	0.1		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.3			-0.8	-0.5	-0.2	+0.6	0.0		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU

MCAS PMU

NREAD

FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burns

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CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV 6-84)

DATE COLLECTED

7-7-87

DATE OF ANALYSIS

7-7-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8			7.6	8.0	8.4	8.6	8.5		
PHENOLTHALEIN ALKALINITY	6			0	0	2	4	6		
METHYL ORANGE ALKALINITY	54			150	166	130	60	140		
CARBONATES AS CaCO ₃	12			0	0	4	8	12		
BICARBONATES AS CaCO ₃	42			150	166	126	52	128		
CHLORIDES AS Cl	14			20	14	48	10	70		
HARDNESS AS CaCO ₃	62			52	50	50	60	50		
IRON AS Fe				A.A.	DOWN					
FLUORIDE	A.N. 1.07 P.N. 1.07			0.17	0.12	0.10	0.99 0.93	0.58		
CHLORINE RESIDUAL	1.0			1.5	1.3	1.1	1.2	0.8		
TURBIDITY	A.N. 0.2 P.N. 0.2			0.2	0.1	0.1	0.3 0.7	0.2		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.4			-0.8	-0.5	-0.1	+0.3	0.0		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burns

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CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV 6-84)

DATE COLLECTED

6-30-87

DATE OF ANALYSIS

6-30-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8			7.1	7.9	8.3	8.7	8.6		
PHENOLTHALEIN ALKALINITY	4			0	0	2	4	8		
METHYL ORANGE ALKALINITY	52			160	170	160	60	110		
CARBONATES AS CaCO ₃	8			0	0	4	8	16		
BICARBONATES AS CaCO ₃	44			160	170	156	52	94		
CHLORIDES AS Cl	10			20	20	44	14	60		
HARDNESS AS CaCO ₃	56			68	54	54	68	60		
IRON AS Fe				A.A.	DOWN					
FLUORIDE	A.M. 1.20						1.00			
	P.M. 1.15			0.16	0.13	0.13	0.72	0.46		
CHLORINE RESIDUAL	1.1			0.7	1.2	1.0	1.3	0.8		
TURBIDITY	A.M. 0.2						0.2			
	P.M. 0.2			0.4	0.1	0.2	0.3	0.3		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.1			-1.2	-0.4	0.0	+0.4	+0.1		

REMARKS

BB 294 CHLORIDES 500

COPY TO:

UTIL DIR

WATER TREATMENT

PMU

MCAS PMU

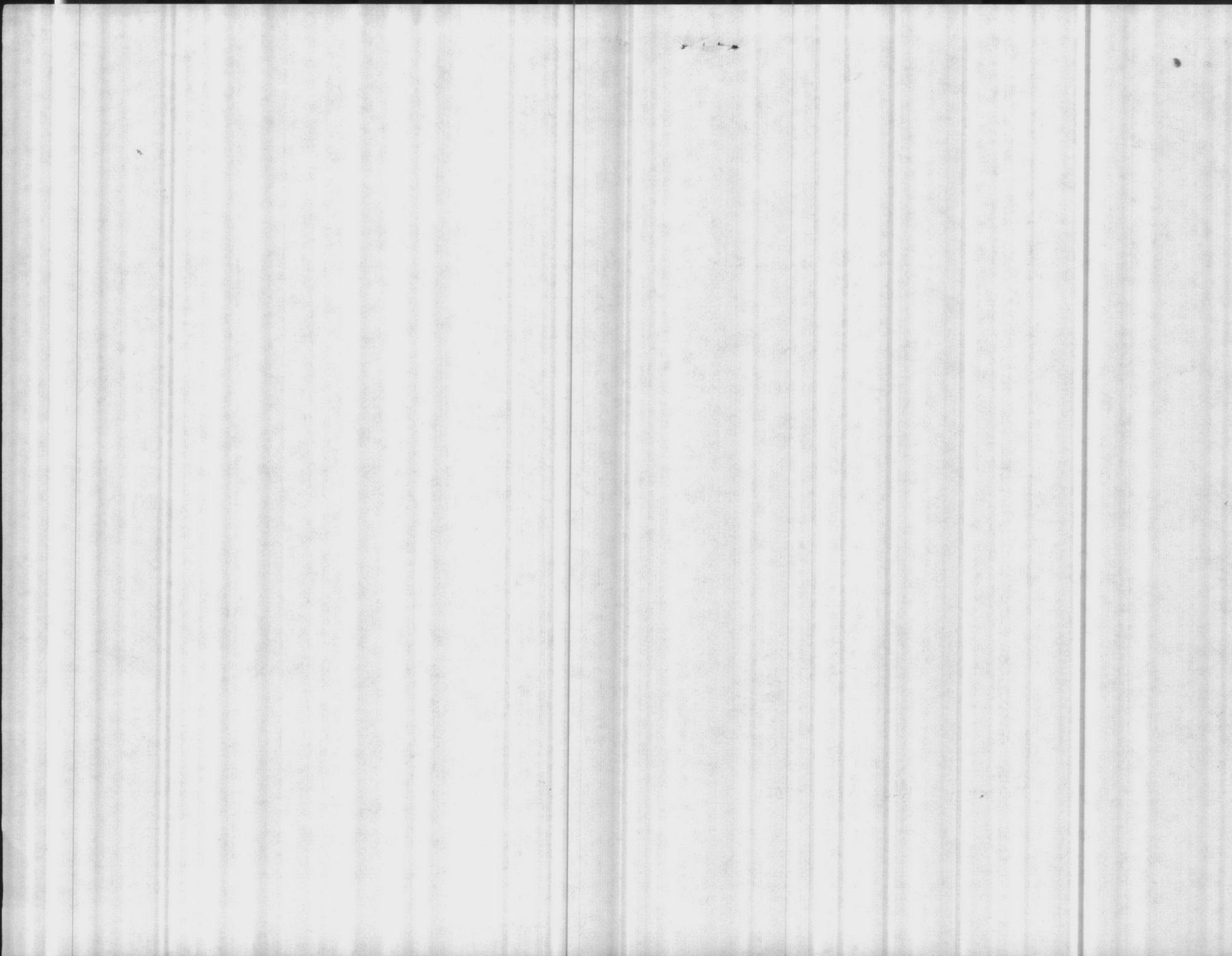
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NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

B. J. Burns



CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

6-9-87

DATE OF ANALYSIS

6-9-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.4			7.5	7.9	8.3	8.5	8.8		
PHENOLTHALEIN ALKALINITY	4			0	0	0	4	4		
METHYL ORANGE ALKALINITY	54			156	170	150	60	90		
CARBONATES AS CaCO ₃	8			0	0	0	8	8		
BICARBONATES AS CaCO ₃	46			156	170	150	52	82		
CHLORIDES AS Cl	12			20	18	24	10	56		
HARDNESS AS CaCO ₃	58			56	50	46	64	50		
IRON AS Fe	<0.04			<0.04	<0.04	<0.04	<0.04	<0.04		
FLUORIDE	A.M. 0.96 P.M. 0.96			0.18	0.13	0.10	0.94 0.94	0.47		
CHLORINE RESIDUAL	1.1			1.2	1.5	0.8	1.1	0.9		
TURBIDITY	A.M. 0.1 P.M. 0.1			0.1	0.4	0.4	0.2 0.7	0.2		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.4			-0.7	-0.4	+0.2	+0.2	+0.3		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU

MCAS PMU

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FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burns



CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
 6-16-87

DATE OF ANALYSIS
 6-16-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8			7.6	8.0	8.3	8.6	8.9		
PHENOLTHALEIN ALKALINITY	4			0	0	4	4	12		
METHYL ORANGE ALKALINITY	50			160	170	150	58	106		
CARBONATES AS CaCO ₃	8			0	0	8	8	24		
BICARBONATES AS CaCO ₃	42			160	170	142	50	82		
CHLORIDES AS Cl	10			20	14	40	10	50		
HARDNESS AS CaCO ₃	64			50	50	56	60	60		
IRON AS Fe	—	—	A.A.	DOWN	—	—	—	—		
FLUORIDE	A.M. 1.05 P.M. 1.06			0.15	0.12	0.11	1.05 1.05	0.46		
CHLORINE RESIDUAL	1.0			1.2	1.5	1.1	1.0	0.8		
TURBIDITY	A.M. 0.6 P.M. 0.5			0.2	0.3	0.1	0.2 0.3	1.4		
TOTAL PHOSPHATE	0.029						0.009	0.063		
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.4			-0.7	-0.3	-0.1	+0.3	+0.4		

REMARKS

COPY TO:

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 WATER TREATMENT
 PMU MCAS PMU
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NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burns

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CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV 6-84)

DATE COLLECTED

6-2-87

DATE OF ANALYSIS

6-2-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5			7.7	8.2	8.4	8.5	8.8		
PHENOLTHALEIN ALKALINITY	4			0	0	2	2	6		
METHYL ORANGE ALKALINITY	62			160	170	160	60	100		
CARBONATES AS CaCO ₃	8			0	0	4	4	12		
BICARBONATES AS CaCO ₃	54			160	170	156	56	88		
CHLORIDES AS Cl	14			20	20	46	10	50		
HARDNESS AS CaCO ₃	76 ^{dm} //			76 ^{dm} //	56	56	72 ^{dm} //	60		
IRON AS Fe		—	A.H.	DOWN	—					
FLUORIDE	A.M. 0.80 P.M. 0.92			0.17	0.14	0.11	0.88 0.89	0.42		
CHLORINE RESIDUAL	1.1			1.3	1.5	1.0	1.1	0.8		
TURBIDITY	A.M. 0.1 P.M. 0.1			0.2	0.1	0.1	0.5 0.8	0.9		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.1			-0.5	-0.2	0.0	0.0	+0.4		

REMARKS

COPY TO:

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WATER TREATMENT

PMU

MCAS PMU

NREAD

FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burns

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CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

5-26-87

DATE OF ANALYSIS

5-26-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSWLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.7			7.4	8.0	8.3	8.7	8.9		
PHENOLTHALEIN ALKALINITY	20			0	0	4	14	12		
METHYL ORANGE ALKALINITY	58			176	186	200	72	120		
CARBONATES AS CaCO ₃	40			0	0	8	28	24		
BICARBONATES AS CaCO ₃	18			176	186	196	44	196		
CHLORIDES AS Cl	16			48	20	44	18	60		
HARDNESS AS CaCO ₃	60			44	54	58	62	64		
IRON AS Fe	←	AA DOWN	→							
FLUORIDE	AM 1.11 PM 1.42			0.18	0.16	0.12	0.65 1.07	0.54		
CHLORINE RESIDUAL	0.9			1.4	1.4	1.0	1.2	1.0		
TURBIDITY	AM 0.1 PM 0.2			0.2	0.1	0.1	1.0 0.5	0.4		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE	-									
STABILITY	+0.4			-0.9	-0.4	-0.1	+0.3	+0.1		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU

MCAS PMU

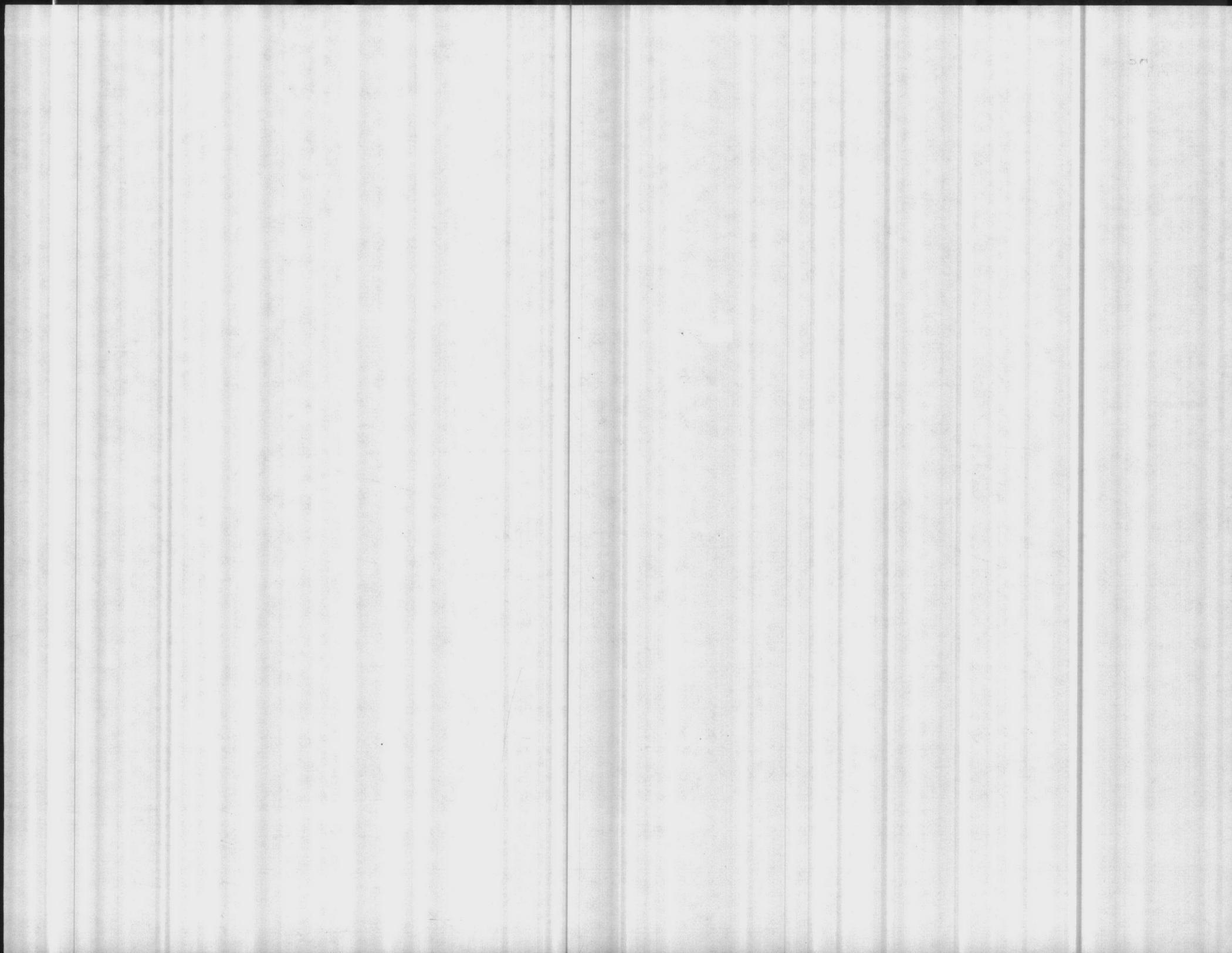
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NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Carol S. Spencer



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

5-19-87

DATE OF ANALYSIS

5-19-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8		7.1	7.6	8.0	8.4	8.6	8.8		
PHENOLTHALEIN ALKALINITY	4			0	0	2	4	14		
METHYL ORANGE ALKALINITY	60			170	182	170	66	120		
CARBONATES AS CaCO ₃	8			0	0	4	8	28		
BICARBONATES AS CaCO ₃	52			170	182	166	58	92		
CHLORIDES AS Cl	14			24	18	26	12	66		
HARDNESS AS CaCO ₃	60			52	50	48	78	50		
IRON AS Fe	L	AA	DOWN	—————→						
FLUORIDE	AM 0.80 PM 0.63			0.15	0.12	0.09	1.14 0.96	0.43		
CHLORINE RESIDUAL	1.0			1.4	1.5	1.1	1.0	0.8		
TURBIDITY	AM 0.2 PM 0.3			0.1	0.1	0.1	0.2 0.3	0.5		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.4			-0.6	-0.2	+0.1	+0.3	+0.3		

REMARKS

COPY TO:

UTIL DIR _____

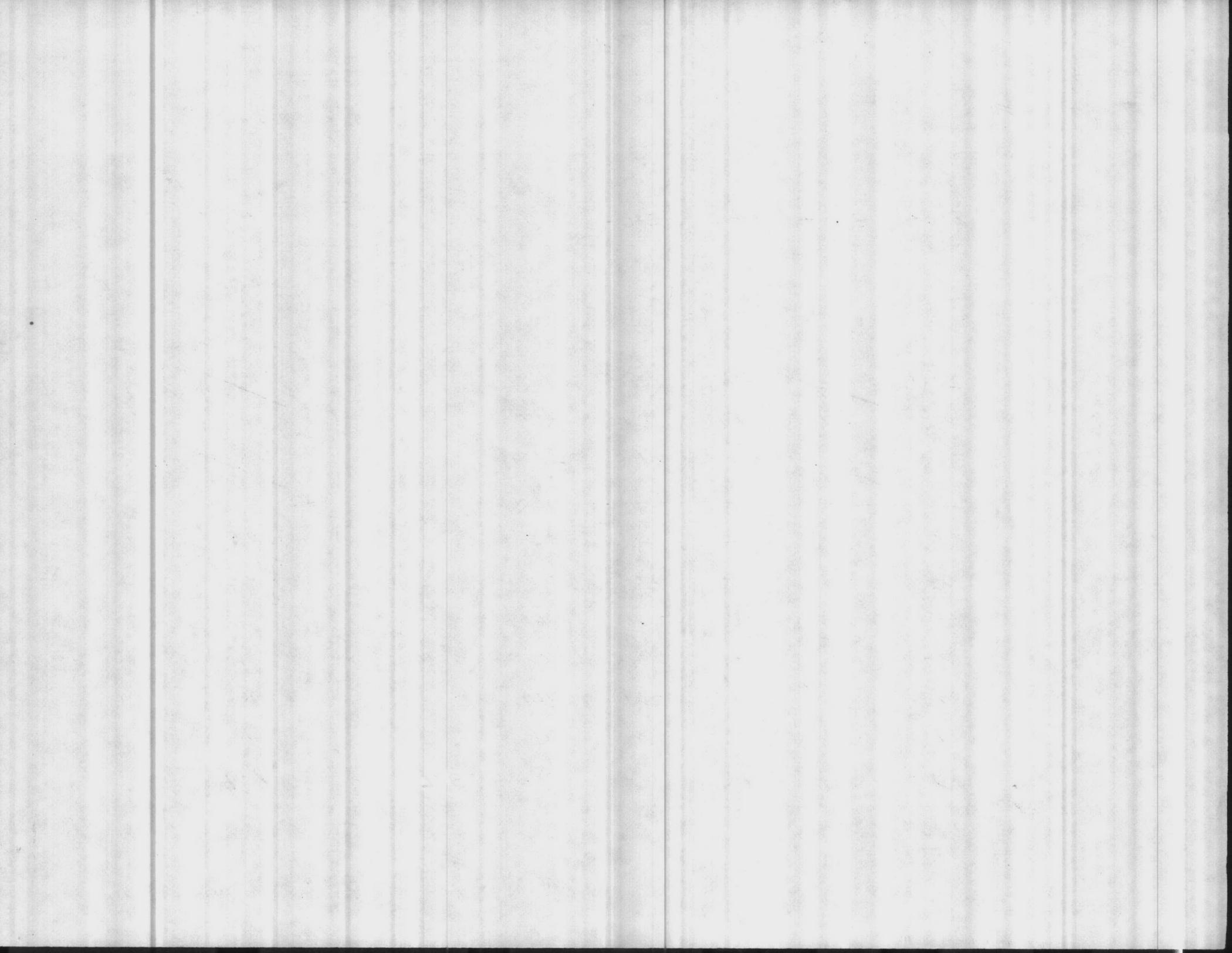
WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY
Carroll Shores 5/19/87



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
 5-12-87

DATE OF ANALYSIS
 5-12-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8			7.7	7.9	7.9	8.6	9.0		
PHENOLTHALEIN ALKALINITY	14			0	0	0	2	12		
METHYL ORANGE ALKALINITY	62			172	178	176	62	118		
CARBONATES AS CaCO ₃	28			0	0	0	4	24		
BICARBONATES AS CaCO ₃	34			172	178	176	58	94		
CHLORIDES AS Cl	26			38	36	64	26	68		
HARDNESS AS CaCO ₃	82			60	48	72	98	78		
IRON AS Fe	←	AA DOWN	→							
FLUORIDE	AM 0.89 PM 0.88			0.14	0.11	0.09	0.93 0.97	0.40		
CHLORINE RESIDUAL	1.0			1.2	1.2	1.0	1.2	0.8		
TURBIDITY	AM 0.2 PM 0.3			0.1	0.1	0.1	0.5 0.3	0.4		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.3			-0.5	-0.4	-0.3	+0.1	+0.3		

REMARKS

COPY TO:

UTIL DIR _____

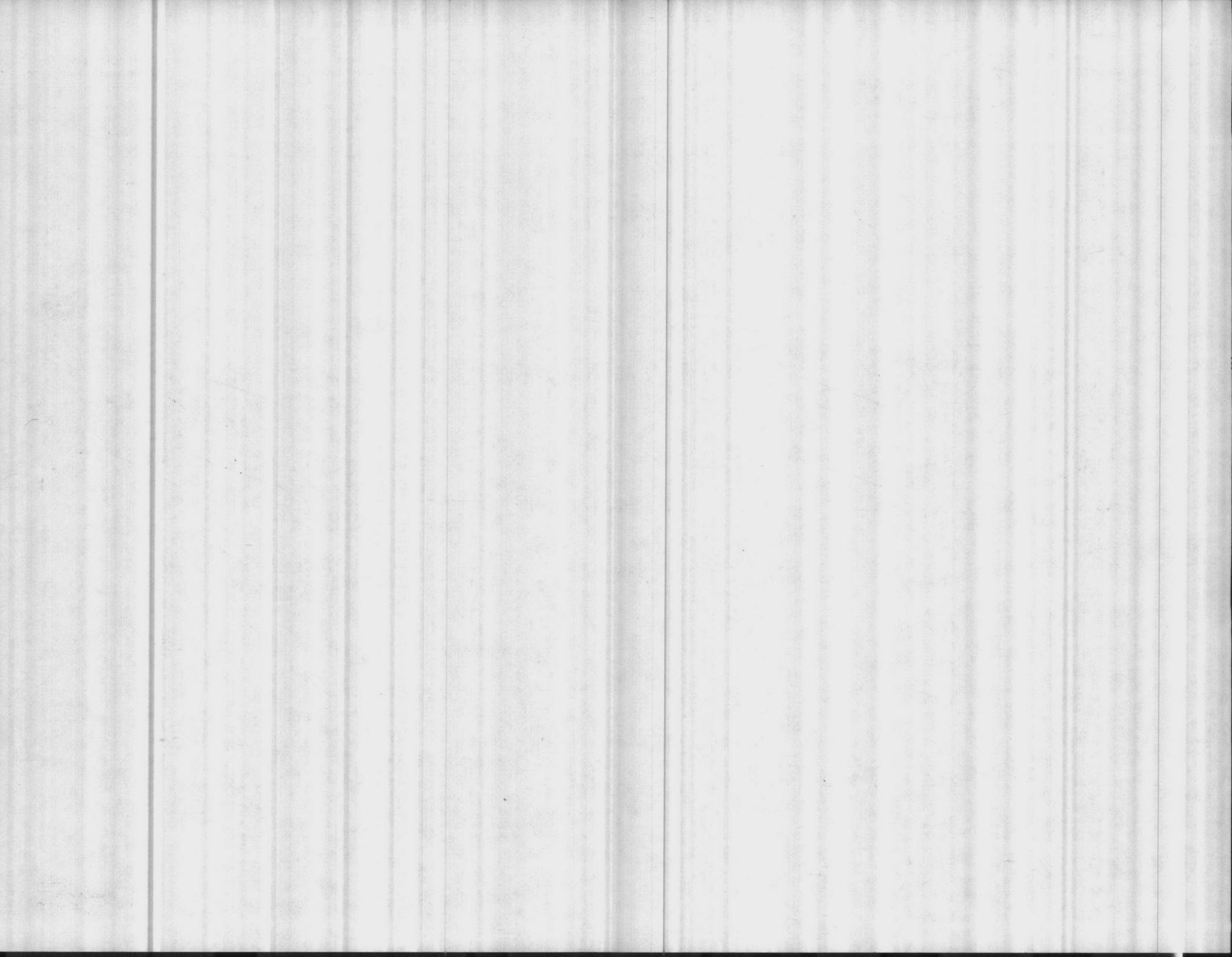
WATER TREATMENT

PMU MEAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY
Carl S. Shou



CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

5-5-87

DATE OF ANALYSIS

5-5-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ON SLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.4			7.4	7.9	8.3	8.3	8.4		
PHENOLTHALEIN ALKALINITY	4			0	0	4	2	8		
METHYL ORANGE ALKALINITY	68			134	188	186	56	130		
CARBONATES AS CaCO ₃	8			0	0	8	4	16		
BICARBONATES AS CaCO ₃	60			134	188	178	52	114		
CHLORIDES AS Cl	16			26	20	30	10	58		
HARDNESS AS CaCO ₃	104			60	52	74	78	70		
IRON AS Fe	AA DOWN →									
FLUORIDE	AM / PM 1.03 / 1.08			0.16	0.11	0.09	0.98 / 0.94	0.41		
CHLORINE RESIDUAL	1.0			1.3	1.5	1.0	1.1	0.8		
TURBIDITY	AM / PM 3.1 / 0.2			0.2	0.1	0.1	0.2 / 0.6	0.8		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.2			-0.5	-0.2	+0.2	0	+0.2		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

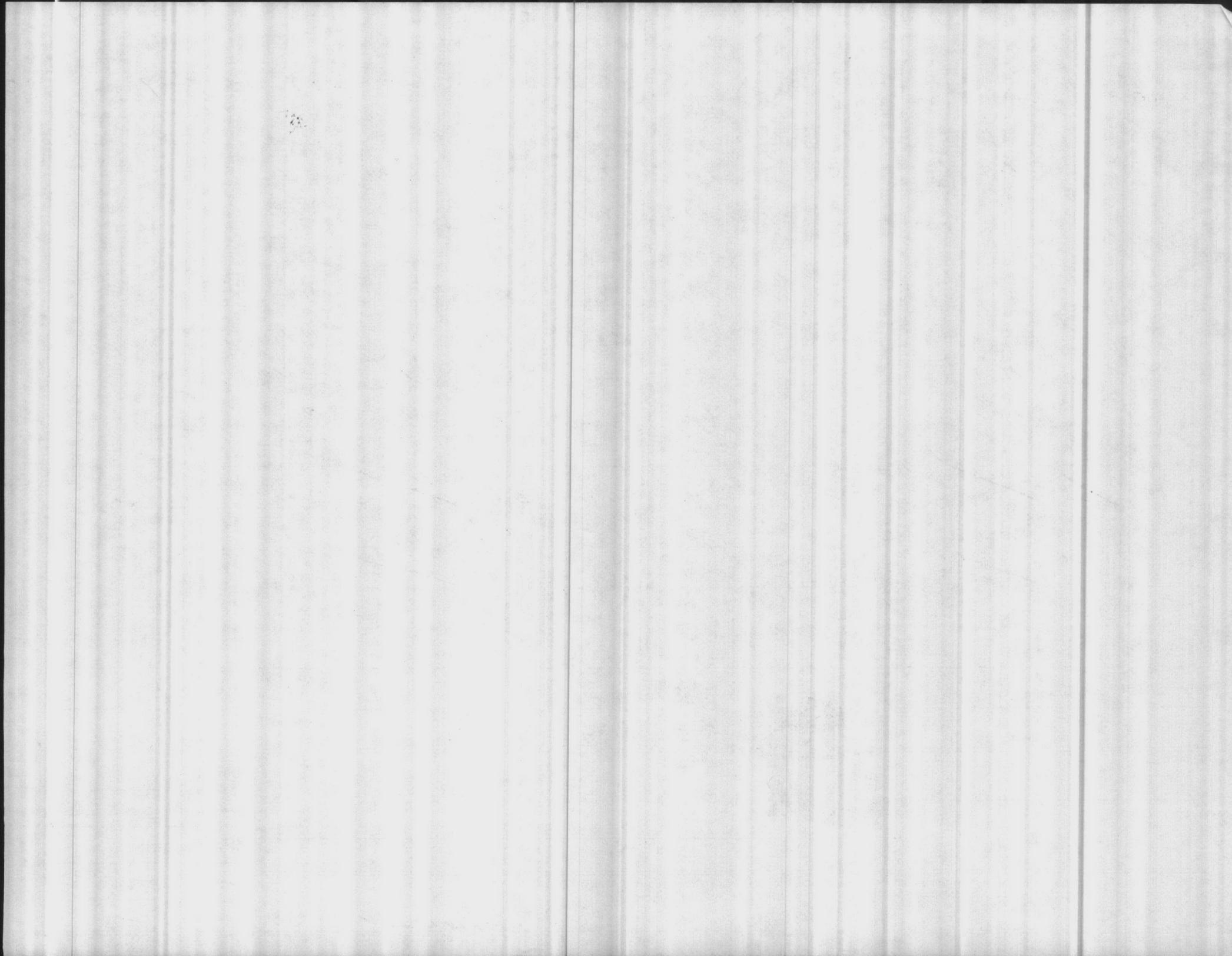
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Carl S. Shree



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

4-28-87

DATE OF ANALYSIS

4-28-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ON SLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	7.8			7.7	7.9	8.1	9.2	8.4		
PHENOLTHALEIN ALKALINITY	0			0	0	0	4	10		
METHYL ORANGE ALKALINITY	62			162	176	192	56	102		
CARBONATES AS CaCO ₃										
BiCARBONATES AS CaCO ₃										
CHLORIDES AS Cl	14			26	16	64	16	58		
HARDNESS AS CaCO ₃	68			32	64	70	66	70		
IRON AS Fe					AA DOWN					
FLUORIDE	$\frac{AM}{PM}$ 0.95 / 0.81			0.14	0.11	0.10	$\frac{0.90}{0.89}$	0.46		
CHLORINE RESIDUAL	1.0			1.5	1.0	1.0	1.4	0.8		
TURBIDITY	$\frac{AM}{PM}$ 0.3 / 0.4			0.1	0.2	0.3	$\frac{0.2}{0.9}$	0.2		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	-0.2			-0.2	-0.2	0	11.0	0		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY
Carol Shree 4/28/87



BACTERIOLOGICAL ANALYSIS OF WATER

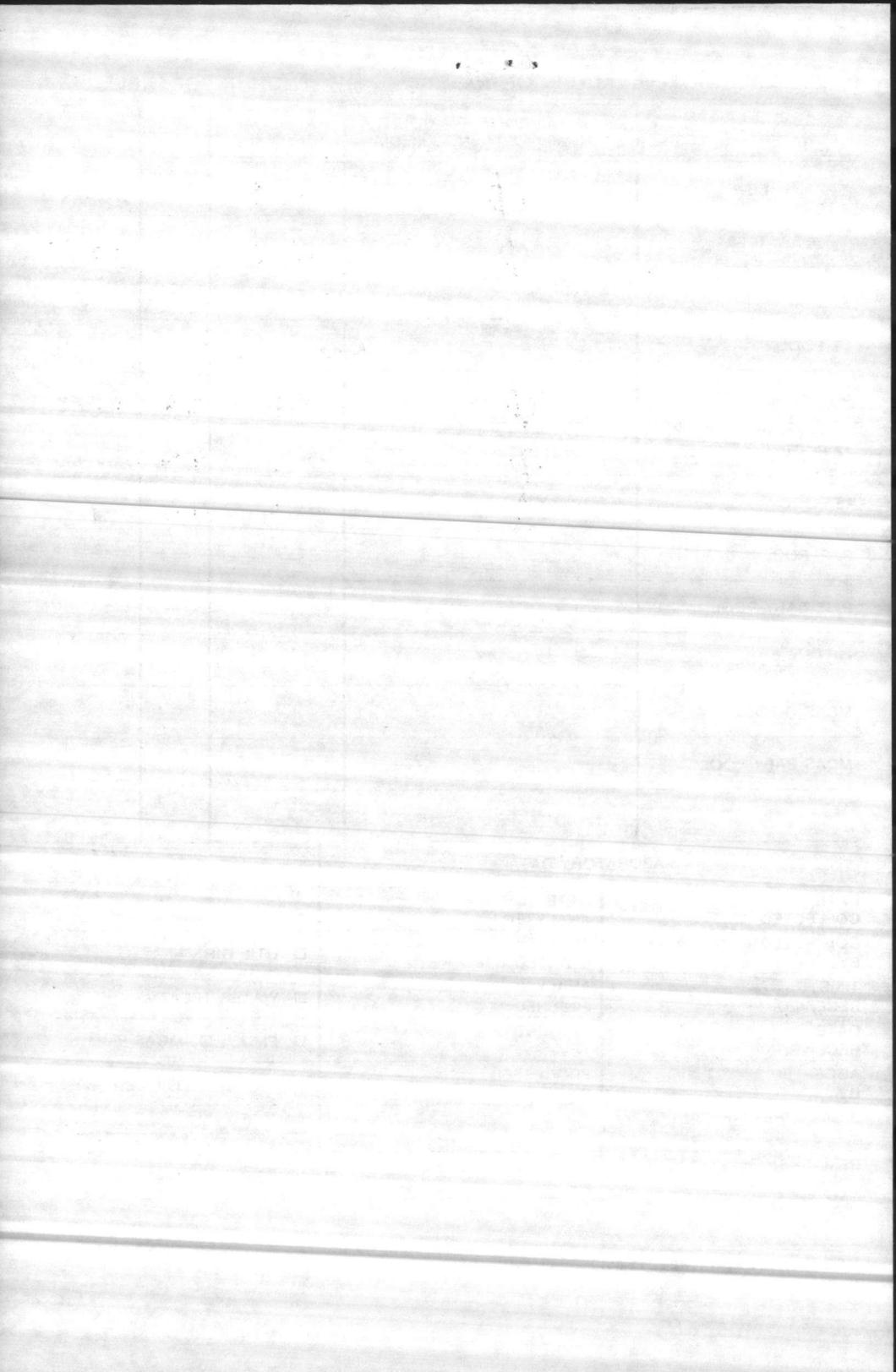
NON-REPORTABLE

WATER SAMPLES	TOTAL COLIFORM COUNT MF/100 ML M-ENDO MEDIA	RESIDUAL CHLORINE	pH	TIME
BB-97	ϕ	0.3		0845
SH-8	ϕ	0.4		0936
TT POOL				
M.P. POOL	ϕ	0.5	7.8	1200
#2 POOL	ϕ	0.5	7.4	0900
#5 POOL	ϕ	0.5	7.4	0915
P. P. POOL				
P. P. BABY POOL				
MCAS E-POOL				
MCAS O-POOL				
MCAS BABY POOL				

LABORATORY DATA

DATE COLLECTED	DATE ANALYZED	COPY TO: <input type="checkbox"/> UTIL DIR <input type="checkbox"/> WATER TREATMENT <input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMU <input type="checkbox"/> NREAD <input type="checkbox"/> FILE <input type="checkbox"/> _____
COLLECTED BY	ANALYSIS STARTED	
TIME RECEIVED	ANALYSIS FINISHED	
DATE RECEIVED	INCUBATOR TEMP	
ACCEPTED BY	PROCESSED BY	
SIGNATURE		

REMARKS



BACTERIOLOGICAL ANALYSIS OF WATER
 MCBCL 11330/4 (REV. 7-83)

DATE COLLECTED
 4-28-87

REPORTABLE POINTS FOR SDWA

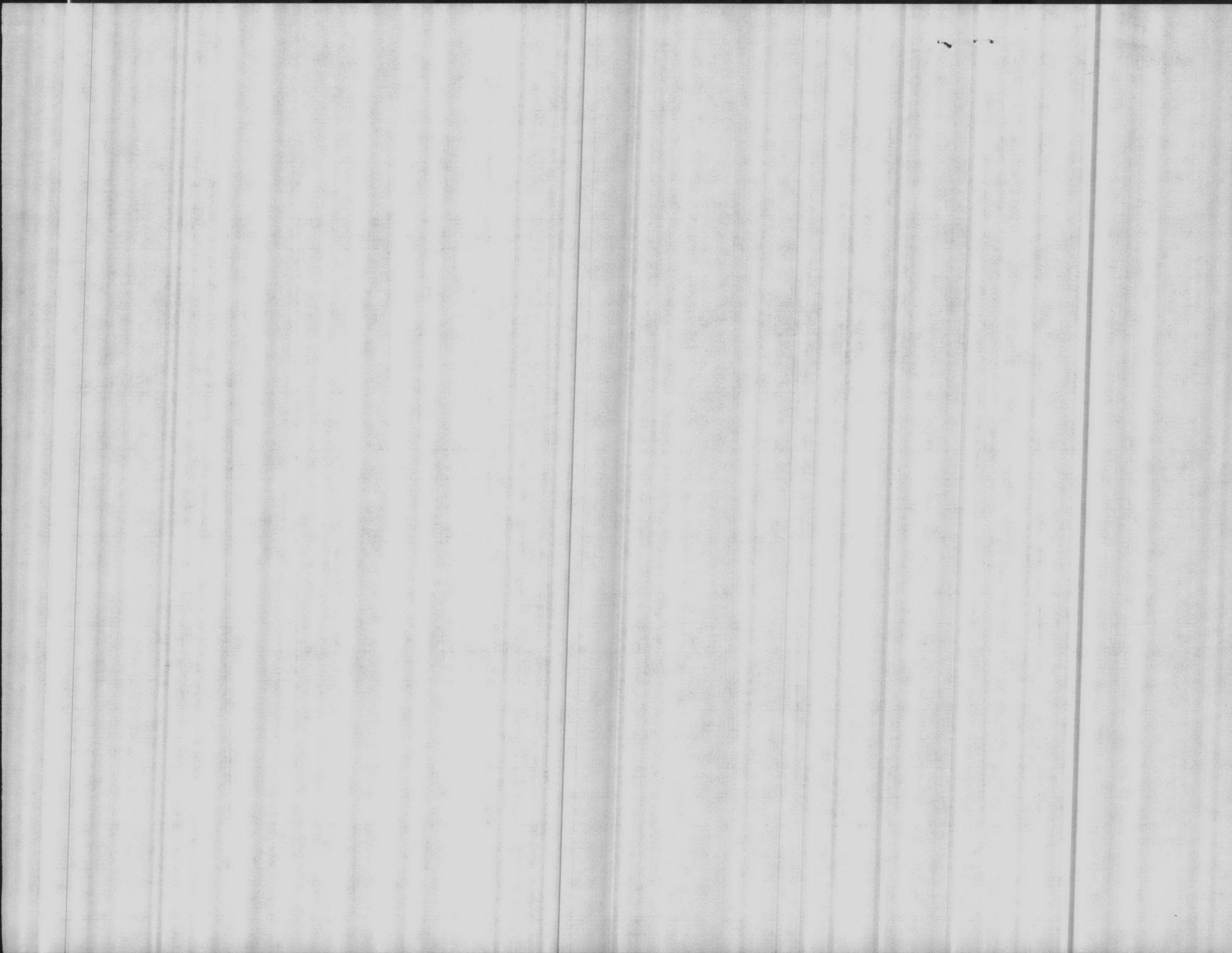
WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR - 3	1	0	0.9	1130	MCAS - 3502	24	0	0.4	0920	TIME RECEIVED 1300 - 1330
RR - 15	2		1.0	1120	MCAS - 2002	25		0.5	1025	DATE RECEIVED 4-28-87
RR - 10	3		1.0	1200	MCAS - 2003	26		0.5	1000	ACCEPTED BY Burns
	4				MCAS - 2057	27		0.4	1040	DATE ANALYZED 4-28-87
A-47	5		1.1	0900		28				ANALYSIS STARTED 1310
BB - 7	6		1.0	0815	NRMC - F/S	29		1.0	1245	ANALYSIS FINISHED 1430
BB - 49	7		1.0	0835	PP - 2615	30		0.8	1145	INCUBATOR TEMP 35
BB - 265	8		1.0	0825	PP - O'Club	31		0.8	1200	PROCESSED BY Burns
	9				BM - 5400	32		1.0	1215	
BA - 103	10		1.2	1015	BM - 1985	33		1.0	1230	CUSTODY DATA
BA - 101	11		1.2	1030	LCH - 4022	34		1.0	1300	DATE
	12				LCH - 4000	35		1.0	1315	TIME
TT - 38	13		1.2	0900		36				SIGNATURE
TT - 43	14		1.2	0920	H - 1	37		0.7	1100	DATE
TT - 264	15		1.1	0945	H - 16	38		0.7	1130	TIME
	16				FC - 303	39		0.7	1000	SIGNATURE
CK - COMPLAINT 1506	17		1.0	1000	FC - 420	40		0.7	1030	
M - 139	18		0.9	1100	FC - 540	41		0.7	1045	COPY TO:
M - 130	19		0.9	1045	HP - 236	42		0.9	0900	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43		1.0	0915	<input checked="" type="checkbox"/> WATER TREATMENT
CG - 1	21		0.4	0910	HP - 1300	44	↓	0.9	0930	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	✓	0.5	0835	HP - 1202	45	φ	0.9	0945	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - 6-650	23	φ	0.5	0845		46				<input type="checkbox"/>

REMARKS

SIGNATURE

Burns

4-29-87



REPORTABLE POINTS FOR SDWA

WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR - 3	1	0	0.8	0910	MCAS - 3502	24	0	0.5	1125	TIME RECEIVED 1300-1335
RR - 15	2		0.9	0915	MCAS - 2002	25		0.5	1120	DATE RECEIVED 4-21-87
RR - 6	3		1.0	0930	MCAS - 1010	26		0.4	1100	ACCEPTED BY BURNS
	4				MCAS - 1281	27		0.5	1000	DATE ANALYZED 4-21
A-1	5		1.0	0945		28				ANALYSIS STARTED 1330
BB - 7	6		0.9	1020	NRMC - FOODSERVICE	29		1.2	1155	ANALYSIS FINISHED 1437
BB - 49	7		0.8	1025	PP - 2615	30		1.1	1140	INCUBATOR TEMP 35.2
BB - 9	8		0.9	1030	PP - 264	31		1.1	1150	PROCESSED BY C. SHURES
	9				BM - 5400	32		1.2	1210	
BA - 103	10		1.0	1100	BM - 820	33		1.1	1220	CUSTODY DATA
BA - 101	11		0.9	1115	LCH - 4022	34		1.0	1240	DATE
	12				LCH - 4000	35		1.1	1235	TIME
TT - 38	13		1.3	0930		36				SIGNATURE
TT - 43	14		1.0	0945	H - 1	37	0.8	1.0	1125	DATE
TT - 2661	15	0.8	0.9	0955	H - 16	38		0.8	1115	TIME
	16				FC - 303	39		0.9	1005	SIGNATURE
CK - 1603	17		0.5	1005	FC - 420	40		1.0	0955	
M - 139	18		1.0	1030	FC - 540	41		0.8	0945	COPY TO:
M - 178	19		1.02	1030	HP - 236	42		0.8	1100	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43		0.9	0925	<input checked="" type="checkbox"/> WATER TREATMENT
CG - 1	21		0.5	0910	HP - 1300	44		0.7	0910	<input checked="" type="checkbox"/> PMU <input checked="" type="checkbox"/> MCAS PMO
TC - 830	22		0.4	0920	HP - 1400	45		0.8	0900	<input type="checkbox"/> NREAD <input checked="" type="checkbox"/> FILE
TC - 834	23		0.5	0940		46				<input type="checkbox"/>

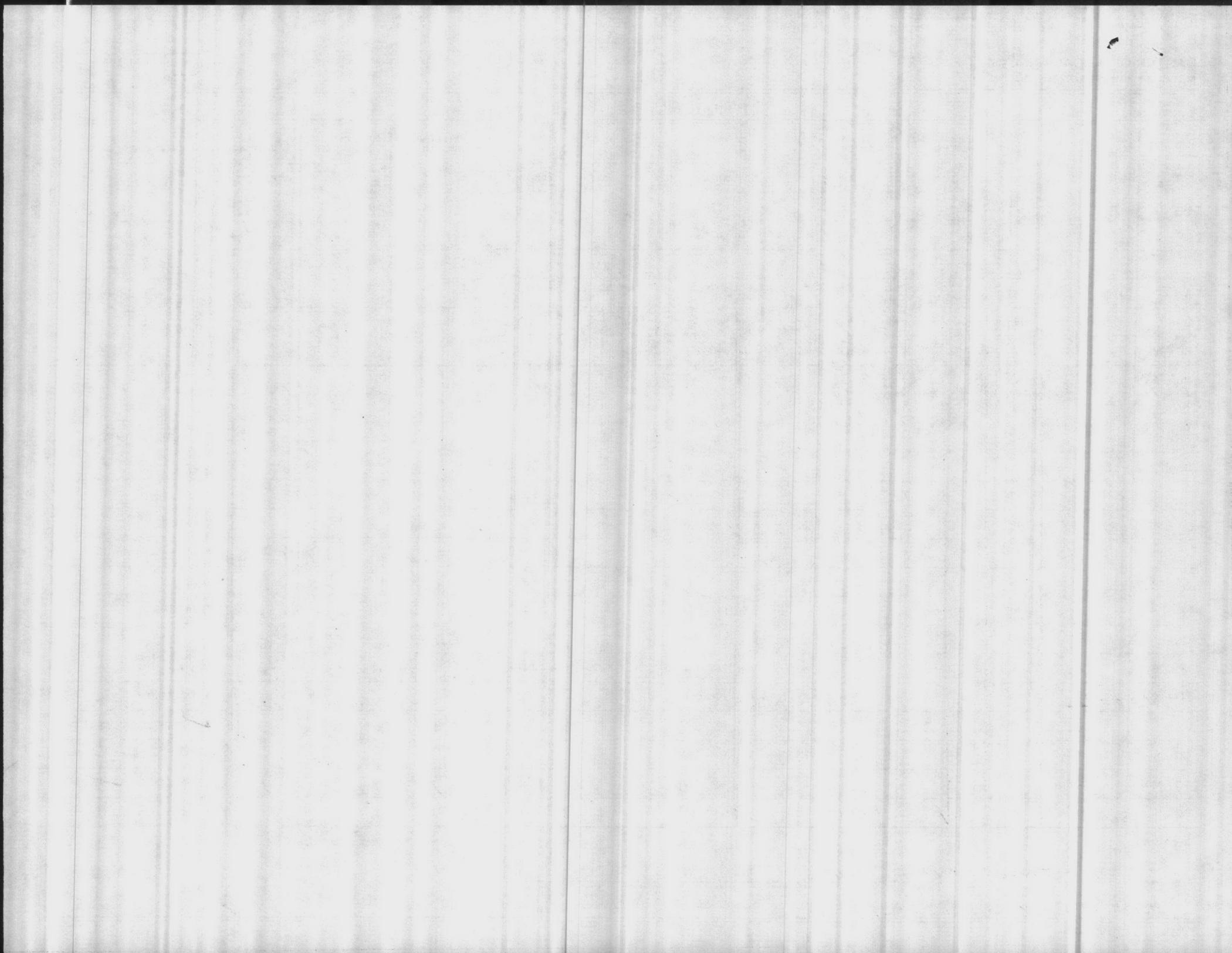
REMARKS

#15 - TNTC NON-COLIFORMS

#37 - 8 NON-COLIFORMS

SIGNATURE

Carol Anne 4/23/87

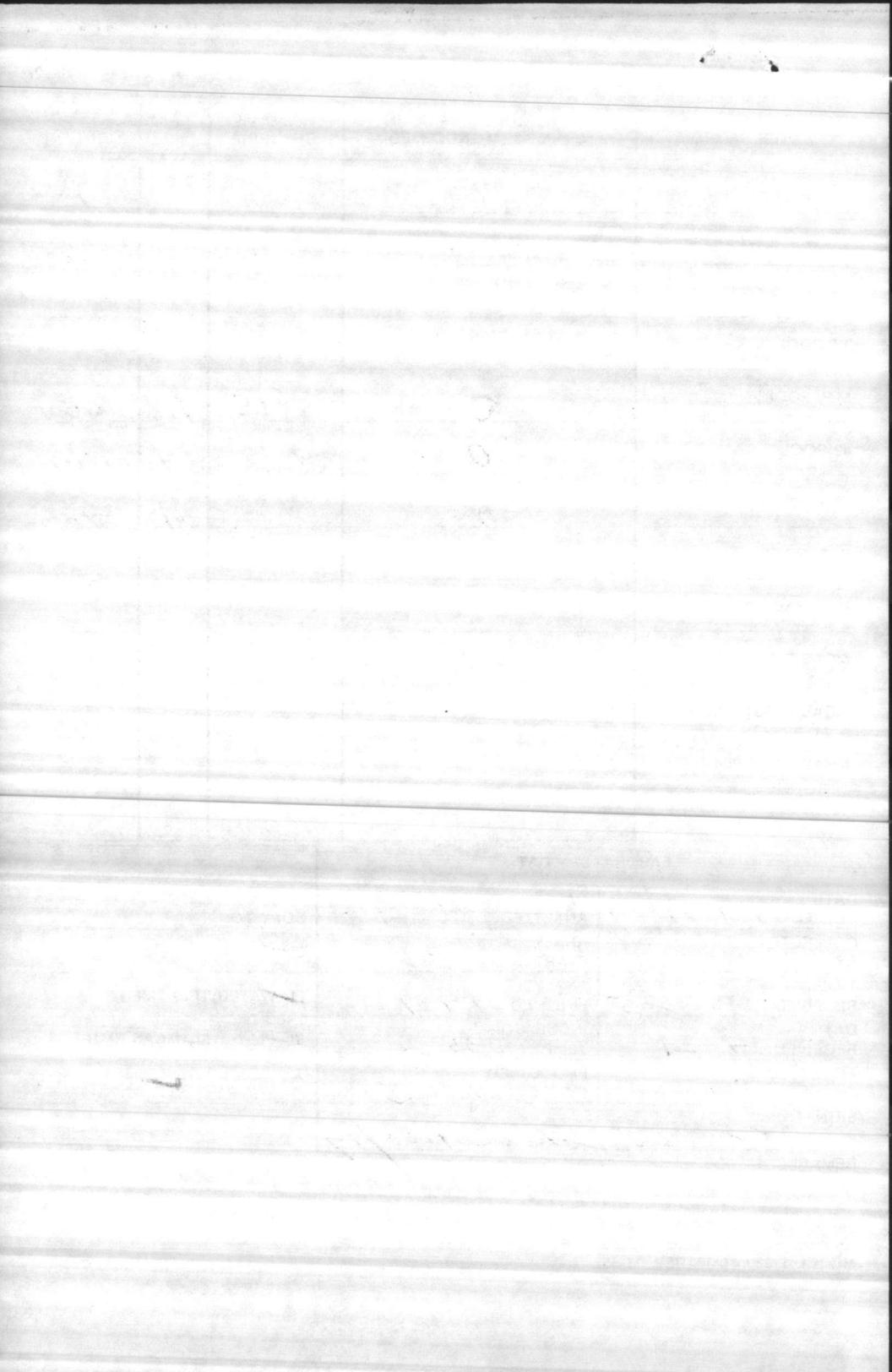


BACTERIOLOGICAL ANALYSIS OF WATER
NON-REPORTABLE

WATER SAMPLES	TOTAL COLIFORM COUNT MF/100 ML M-ENDO MEDIA	RESIDUAL CHLORINE	pH	TIME
BB-97	0	0.9		1015
SH-8	0	0.7		1025
TT POOL				
M.P. POOL	0	0.5	7.8	1050
#2 POOL	0	0.8	7.4	1100
#5 POOL	0	0.2	8.1	0925
P. P. POOL				
P. P. BABY POOL				
MCAS E-POOL				
MCAS O-POOL				
MCAS BABY POOL				

LABORATORY DATA

DATE COLLECTED 4-21-87	DATE ANALYZED 4-21	COPY TO: <input type="checkbox"/> UTIL DIR <input checked="" type="checkbox"/> WATER TREATMENT <input checked="" type="checkbox"/> PMU <input checked="" type="checkbox"/> MCAS PMU <input type="checkbox"/> NREAD <input checked="" type="checkbox"/> FILE <input type="checkbox"/> _____
COLLECTED BY	ANALYSIS STARTED 1330	
TIME RECEIVED 1300-1335	ANALYSIS FINISHED 1437	
DATE RECEIVED 4-21	INCUBATOR TEMP 35.2	
ACCEPTED BY Burns	PROCESSED BY C. Shores	
SIGNATURE Carol Shores 4/22/87		
REMARKS		



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

4-7-87

DATE OF ANALYSIS

4-7-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.6			7.4	8.0	8.3	8.5	8.7		
PHENOLTHALEIN ALKALINITY	2			0	0	0	2	10		
METHYL ORANGE ALKALINITY	50			156	170	160	60	112		
CARBONATES AS CaCO ₃	4			0	0	0	4	20		
BICARBONATES AS CaCO ₃	46			156	170	160	56	92		
CHLORIDES AS Cl	10			20	14	44	6	50		
HARDNESS AS CaCO ₃	64			48	68	60	64	50		
IRON AS Fe			A.A.	DOWN						
FLUORIDE	A.M. 0.74 P.M. 0.62			0.16	0.12	0.10	1.08 1.10	0.52		
CHLORINE RESIDUAL	1.0			1.5	1.6	1.0	1.4	0.8		
TURBIDITY	A.M. 0.5 P.M. 0.4			0.4	0.2	0.1	0.1 0.2	0.5		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.3			-0.8	-0.2	0.0	+0.1	+0.1		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

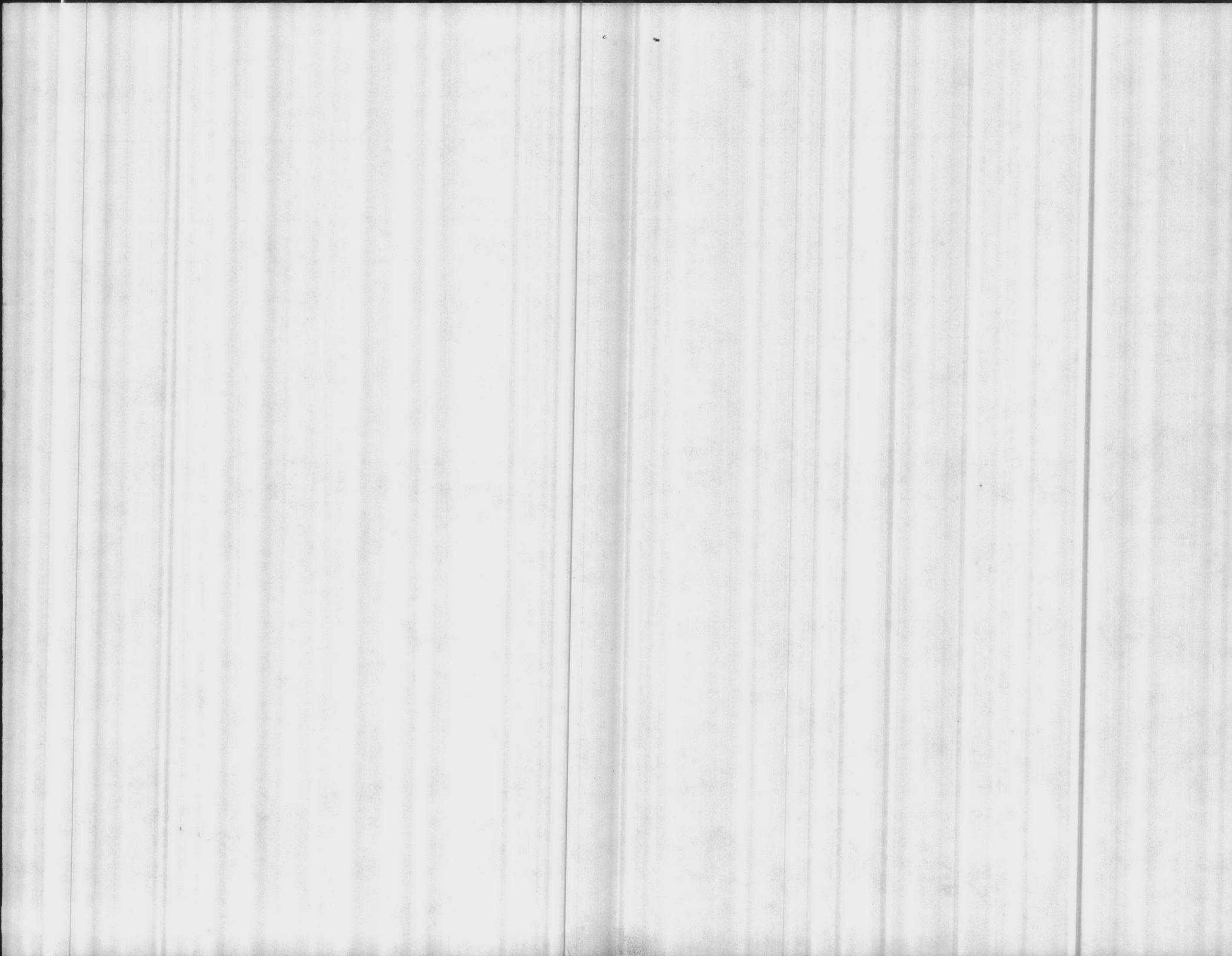
PMU MCAS PMU

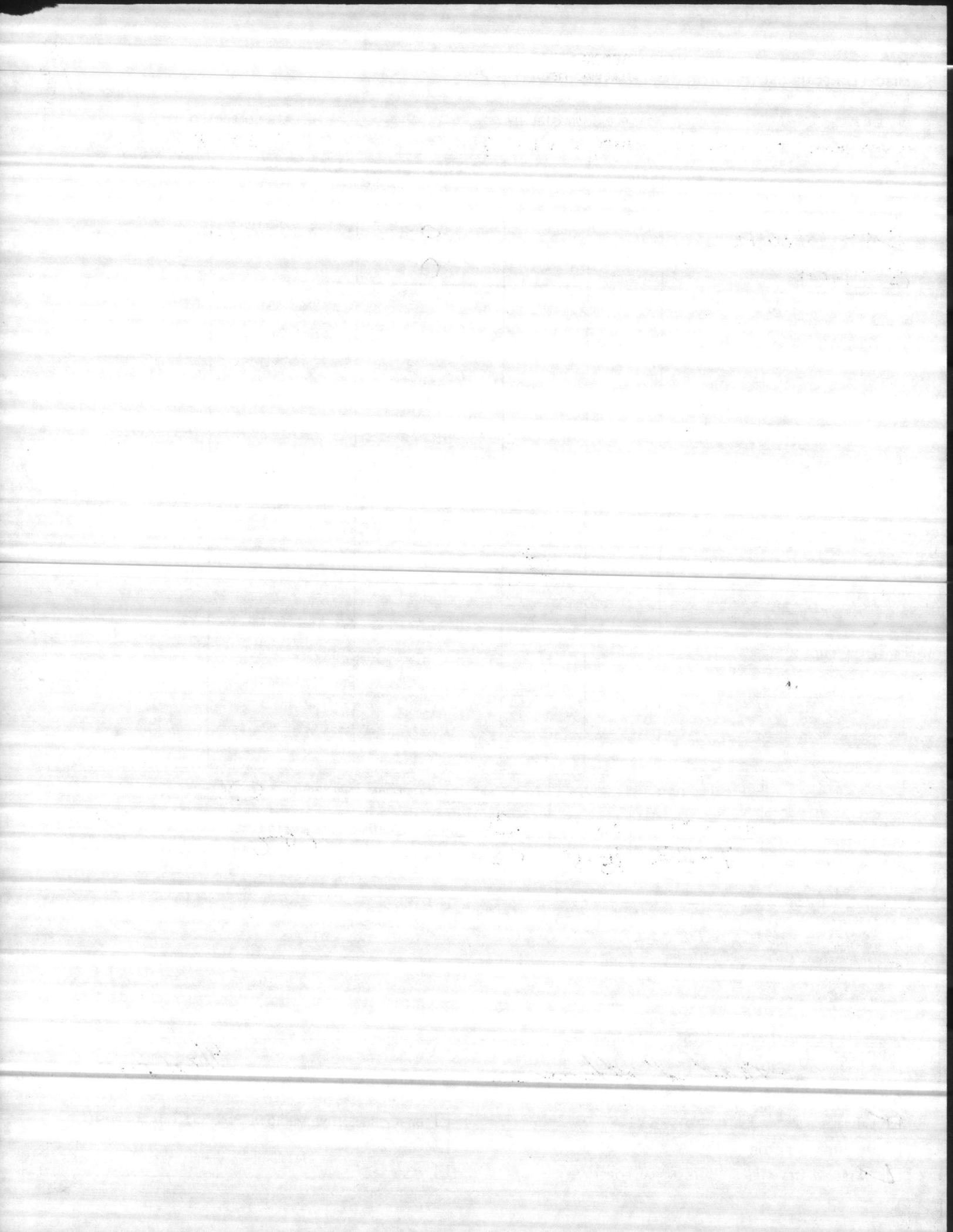
NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

96 J. Burns
4-7-87





CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
 4-21-87

DATE OF ANALYSIS
 4-21-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8			7.4	7.6	8.1	8.5	8.6		
PHENOLTHALEIN ALKALINITY	4			0	0	0	6	10		
METHYL ORANGE ALKALINITY	50			160	180	170	60	116		
CARBONATES AS CaCO ₃	8			0	0	0	12	20		
BICARBONATES AS CaCO ₃	42			160	180	170	48	96		
CHLORIDES AS Cl	10			20	16	50	14	60		
HARDNESS AS CaCO ₃	60			56	46	56	60	44		
IRON AS Fe				A.A. DOWN						
FLUORIDE	A.M. 1.10 P.M. 1.11			0.16	0.14	0.12	0.93 0.95	0.51		
CHLORINE RESIDUAL	1.0			1.2	1.4	1.0	1.2	0.8		
TURBIDITY	A.M. 0.1 P.M. 0.1			0.2	0.1	0.1	0.2 0.2	0.3		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.5			-0.6	-0.4	0.0	+0.2	+0.2		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

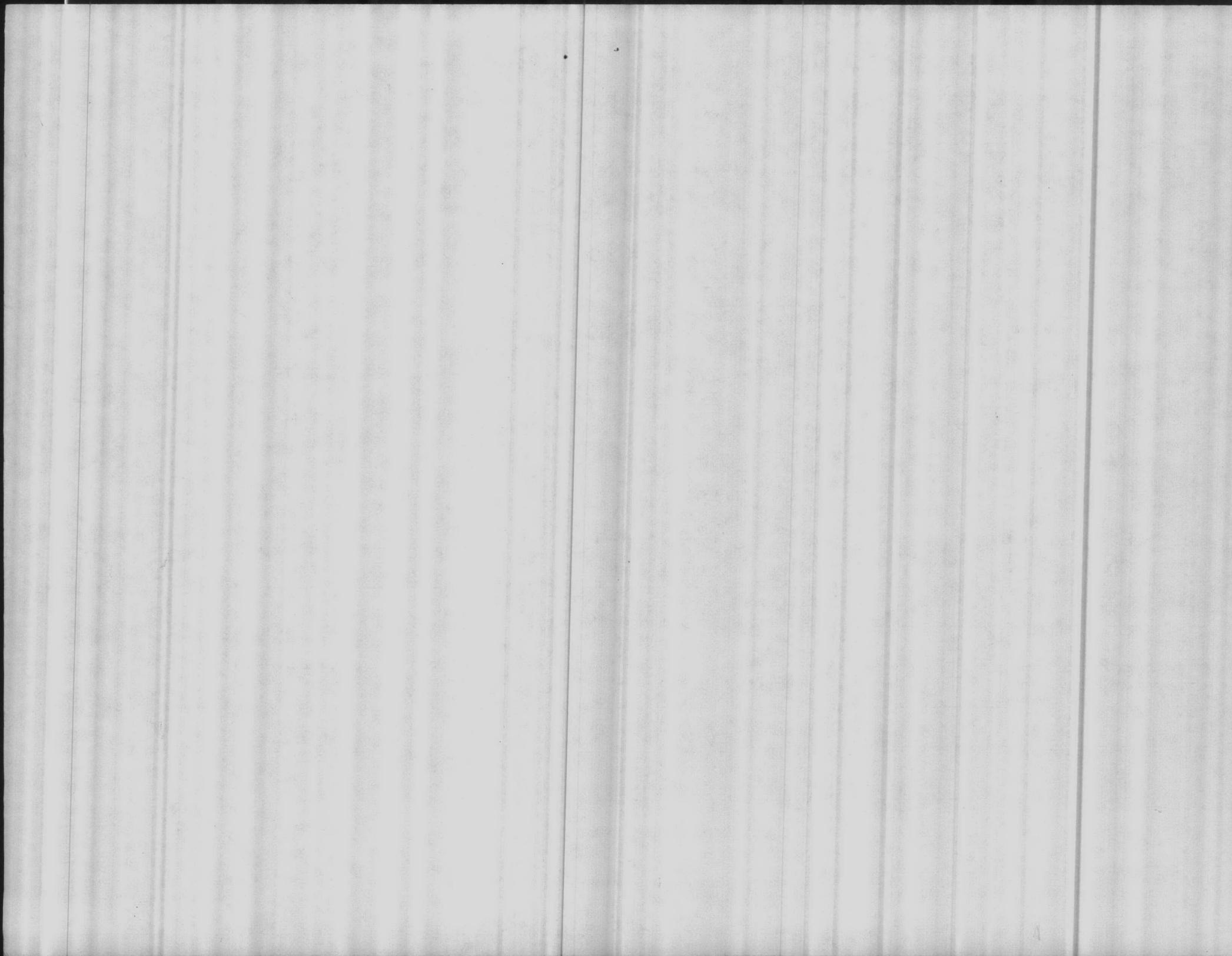
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. BURNS



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
 4-14-87

DATE OF ANALYSIS
 4-14-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ON SLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.7			7.5	7.6	8.3	8.8	9.0		
PHENOLTHALEIN ALKALINITY	6			0	0	0	4	12		
METHYL ORANGE ALKALINITY	60			160	170	170	62	110		
CARBONATES AS CaCO ₃	12			0	0	0	8	24		
BICARBONATES AS CaCO ₃	48			160	170	170	54	86		
CHLORIDES AS Cl	10			20	20	66	10	60		
HARDNESS AS CaCO ₃	74			50	54	64	80	50		
IRON AS Fe				A.A.	DOWN					
FLUORIDE	A.M. 0.91 P.M. 1.13			0.18	0.14	0.12	1.03 0.74	0.48		
CHLORINE RESIDUAL	1.1			1.4	1.4	1.1	1.2	1.0		
TURBIDITY	A.M. 0.2 P.M. 0.2			0.2	0.2	0.2	0.2 0.4	0.3		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.3			-0.6	-0.5	+0.1	+0.3	+0.2		
REMARKS										

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burne



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
 3-31-87

DATE OF ANALYSIS
 3-31-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	7.9			7.5	8.1	7.8	8.3	8.7		
PHENOLTHALEIN ALKALINITY	0			0	0	0	2	16		
METHYL ORANGE ALKALINITY	56			168	194	186	58	148		
CARBONATES AS CaCO ₃	0			0	0	0	4	32		
BICARBONATES AS CaCO ₃	56			168	194	186	54	116		
CHLORIDES AS Cl	6			26	16	48	10	60		
HARDNESS AS CaCO ₃	60			54	60	62	66	44		
IRON AS Fe			AA	15	DOWN					
FLUORIDE AM/PM	0.19/0.17			0.14	0.12	0.11	0.92/0.93	0.58		
CHLORINE RESIDUAL	1.0			1.2	1.2	1.1	1.5	0.8		
TURBIDITY AM/PM	0.1/0.7			0.1	0.1	0.1	0.1/0.1	0.2		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	-0.4			-0.6	-0.2	-0.5	-0.1	0		

REMARKS

pH OB POND = 7.8

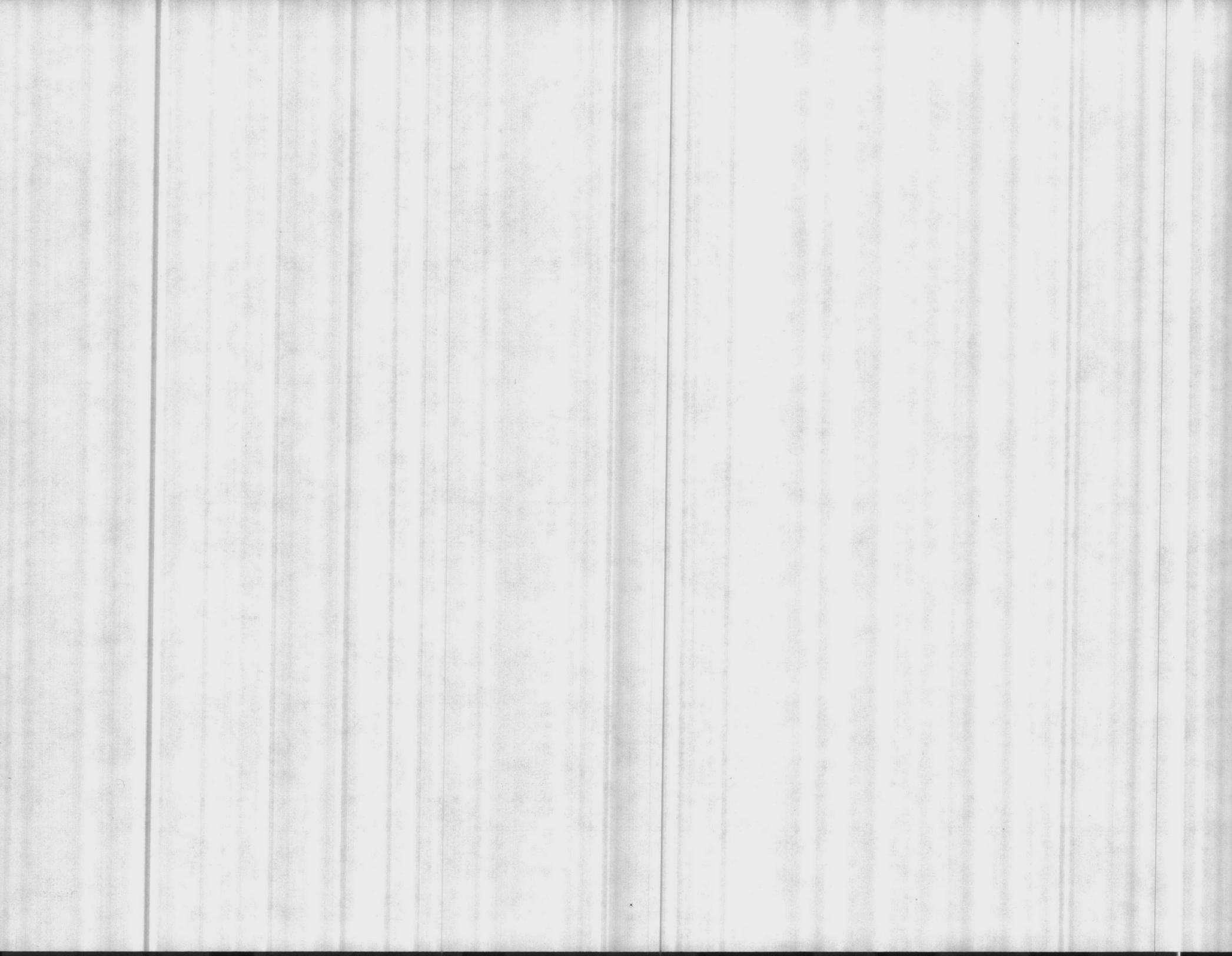
COPY TO:

UTIL DIR _____
 WATER TREATMENT
 PMU MCAS PMU
 NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Barber



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

3-24-87

DATE OF ANALYSIS

3-24-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.4			7.4	8.1	8.2	8.4	8.8		
PHENOLTHALEIN ALKALINITY	4			0	0	4	4	20		
METHYL ORANGE ALKALINITY	70			160	174	156	56	130		
CARBONATES AS CaCO ₃	8			0	0	8	8	40		
BICARBONATES AS CaCO ₃	62			160	174	148	48	90		
CHLORIDES AS Cl	10			18	20	50	10	60		
HARDNESS AS CaCO ₃	74			64	54	54	68	48		
IRON AS Fe	—			A.A.	DOWN	—	—	—		
FLUORIDE	A.M. 0.61 P.M. 0.65			0.14	0.11	0.09	0.98 0.96	0.52		
CHLORINE RESIDUAL	1.1			1.2	1.2	1.0	1.1	0.8		
TURBIDITY	A.M. 1.2 P.M. 1.8			0.1	0.1	0.1	0.2 0.2	1.1		
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.4			-0.6	-0.1	-0.1	+0.2	+0.2		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. J. Burns





CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

DOH 11330.3 (REV. 6-84)

DATE COLLECTED

3-17-87

DATE OF ANALYSIS

3-17-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
FH	8.2	8.2	8.6	7.6	8.3	8.4	8.6	8.8		
PHENOLTHALEIN ALKALINITY	0	0	2	0	0	0	2	12		
METHYL ORANGE ALKALINITY	58	66	58	162	178	162	52	144		
CARBONATES AS CaCO ₃	0	0	4	0	0	0	4	24		
BICARBONATES AS CaCO ₃	58	66	54	162	178	162	48	120		
CHLORIDES AS Cl	8	8	8	18	20	48	8	58		
HARDNESS AS CaCO ₃	66	64	66	60	68	56	66	54		
IRON AS Fe	—	—	—	AA	DOWN	—	—	—		
FLUORIDE	AM	0.25	NO SAMPLE	0.69	0.17	0.12	0.10	0.80	0.58	
	PM	0.27								
CHLORINE RESIDUAL		1.0	1.0	1.0	1.2	1.2	1.1	—	0.1	
TURBIDITY	AM	0.1	NO SAMPLE	0.3	0.1	0.1	0.1	0.1	0.1	
	PM	0.1								
TOTAL PHOSPHATE		0.4								
ORTHO PHOSPHATE		0.2								
META PHOSPHATE		0.2								
STABILITY	0.0	+0.2	+0.1	-0.4	+0.2	+0.1	+0.2	+0.5		

REMARKS

DB Pond pH = 8.0

COPY TO:

UTIL DIR _____

WATER TREATMENT

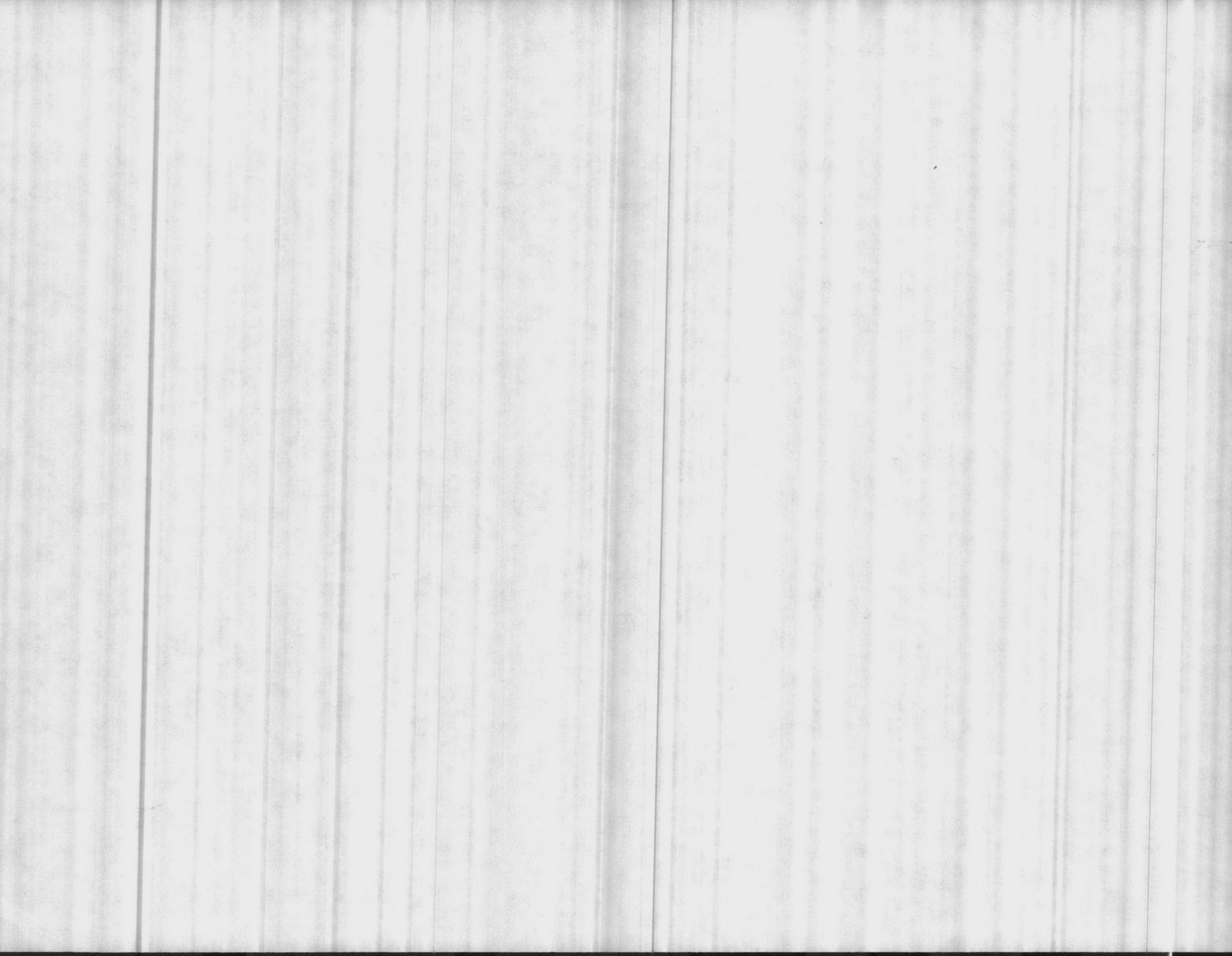
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Lynnda J. Lane & Hoy Burns



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

3-10-87

DATE OF ANALYSIS

3-10-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5	7.5	8.7	7.5	8.1	8.3	8.9	8.8		
PHENOLTHALEIN ALKALINITY	2	0	4	0	0	2	6	8		
METHYL ORANGE ALKALINITY	50	164	60	150	166	160	56	130		
CARBONATES AS CaCO ₃	4	0	8	0	0	4	12	16		
BICARBONATES AS CaCO ₃	46	164	52	150	166	156	44	114		
CHLORIDES AS Cl	14	10	10	20	10	50	10	60		
HARDNESS AS CaCO ₃	64	60	70	58	54	60	66	42		
IRON AS Fe	—	—	A.A.	DOWN	—	—	—	—		
FLUORIDE	A.M.	0.76	—	—	—	—	1.01	—		
	P.M.	0.83	0.17	0.77	0.13	0.10	0.09	0.95	0.54	
CHLORINE RESIDUAL	1.1	1.0	0.9	1.1	1.2	1.0	1.2	0.8		
TURBIDITY	A.M.	0.1	—	—	—	—	0.2	—		
	P.M.	0.1	1.5	0.8	0.2	0.1	0.1	0.2	0.7	
TOTAL PHOSPHATE		2.18								
ORTHO PHOSPHATE		1.03								
META PHOSPHATE		1.15								
STABILITY	+0.2	-0.6	+0.5	-0.7	-0.1	0.0	+0.6	+0.1		

REMARKS

COPY TO:

- UTIL DIR _____
 WATER TREATMENT
 PMU MCAS PMU
 NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Bucens + BARBERE



CHEMICAL ANALYSIS -- WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

3-10-87

DATE OF ANALYSIS

3-10-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5	7.5	8.7	7.5	8.1	8.3	8.9	8.8		
PHENOLTHALEIN ALKALINITY	2	0	4	0	0	2	6	8		
METHYL ORANGE ALKALINITY	50	164	60	150	166	160	56	130		
CARBONATES AS CaCO ₃	4	0	8	0	0	4	12	16		
BICARBONATES AS CaCO ₃	46	164	52	150	166	156	44	114		
CHLORIDES AS Cl	14	10	10	20	10	50	10	60		
HARDNESS AS CaCO ₃	64	60	70	58	54	60	66	42		
IRON AS Fe	—	—	A.A.	DOWN	—	—	—	—		
FLUORIDE	A.M.	0.76	—	—	—	—	1.01	—		
	P.M.	0.83	0.17	0.77	0.13	0.10	0.95	0.54		
CHLORINE RESIDUAL	1.1	1.0	0.9	1.1	1.2	1.0	1.2	0.8		
TURBIDITY	A.M.	0.1	—	—	—	—	0.2	—		
	P.M.	0.1	1.5	0.8	0.2	0.1	0.2	0.7		
TOTAL PHOSPHATE		2.18								
ORTHO PHOSPHATE		1.03								
META PHOSPHATE		1.15								
STABILITY	+0.2	-0.6	+0.5	-0.7	-0.1	0.0	+0.6	+0.1		

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Buens & Barber

1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

3-3-87

DATE OF ANALYSIS

3-3-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8	7.3	8.6	7.4	8.1	8.2	8.3	8.6		
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	2	0	14		
METHYL ORANGE ALKALINITY	50	168	52	160	180	164	60	130		
CARBONATES AS CaCO ₃	8	0	8	0	0	4	0	28		
BICARBONATES AS CaCO ₃	42	168	44	160	180	160	60	102		
CHLORIDES AS Cl	10	10	18	20	16	66	14	60		
HARDNESS AS CaCO ₃	72	54	62	60	56	60	64	60		
IRON AS Fe	—	—	AH	DOWN	—	—	—	—		
FLUORIDE	0.80 0.72	0.12	0.84 0.76	0.12	0.10	0.09	0.79 0.83	52		
CHLORINE RESIDUAL	1.0	1.2	1.0	0.5	1.4	0.8	1.0	1.0		
TURBIDITY	0.6 0.3	0.7	0.80 5.8	0.4	0.2	0.5	0.4 0.4	1.2		
TOTAL PHOSPHATE		3.7								
ORTHO PHOSPHATE		1.2								
META PHOSPHATE		2.5								
STABILITY	+0.5	-0.6	+0.4	-0.6	0.0	+0.1	+0.1	+0.2		

REMARKS

OB - 120MB 8.1

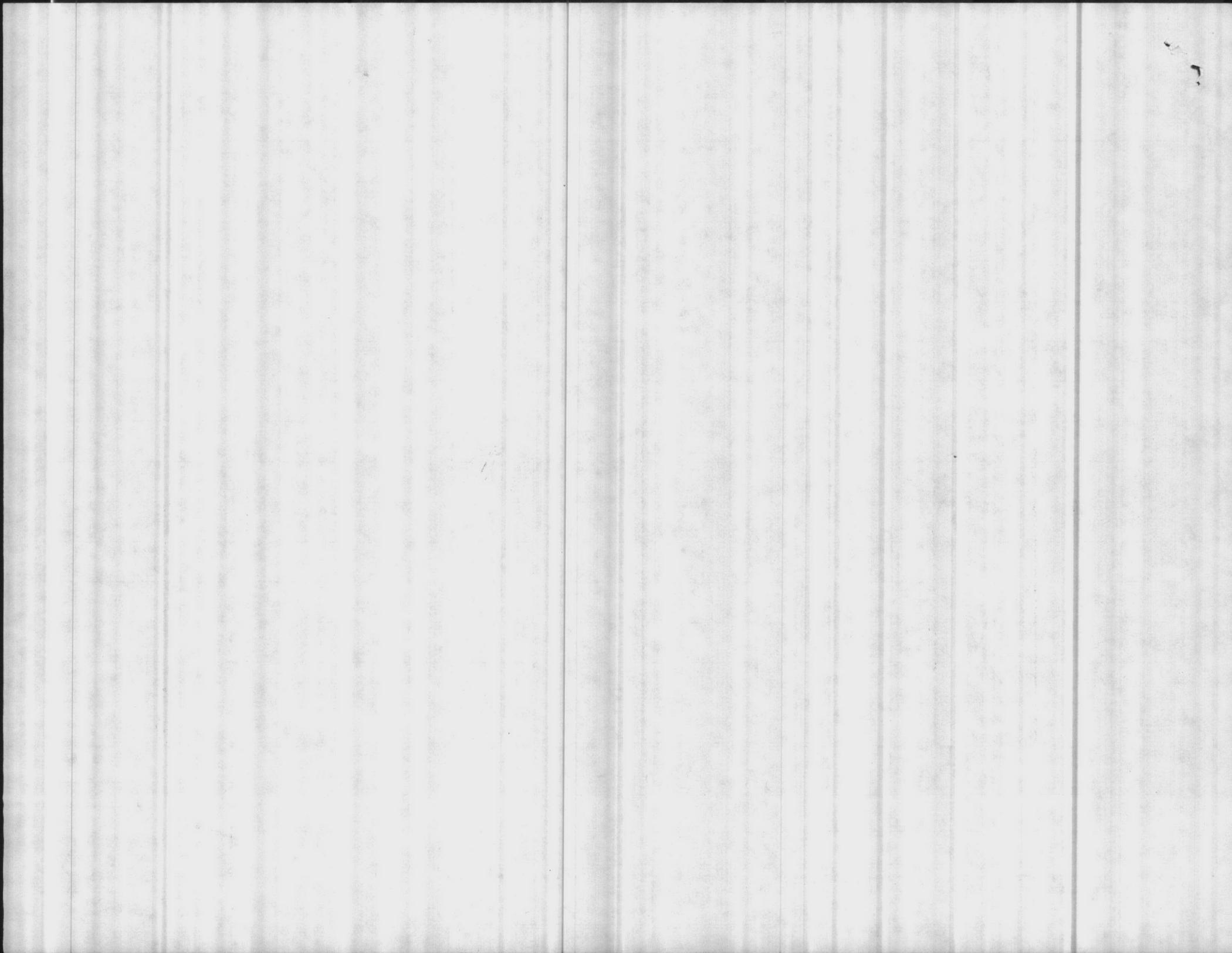
COPY TO:

- UTIL DIR _____
- WATER TREATMENT
- PMU MCAS PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

16.8. [Signature]



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

BREWSTER SCHOOL

DATE COLLECTED

2-25-87

DATE OF ANALYSIS

2-25-87

PARAMETER	HASNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSHOW BEACH	COURTHOUSE BAY	RIFE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.3									
PHENOLTHALEIN ALKALINITY	2									
METHYL ORANGE ALKALINITY	62									
CARBONATES AS CaCO ₃	4									
BICARBONATES AS CaCO ₃	58									
CHLORIDES AS Cl	6									
HARDNESS AS CaCO ₃	68									
IRON AS Fe	-									
FLUORIDE	1.23									
CHLORINE RESIDUAL	0.9									
TURBIDITY	1.4									
TOTAL PHOSPHATE										
ORTHO PHOSPHATE										
META PHOSPHATE										
STABILITY	+0.2									

REMARKS

COPY TO:

- UTIL DIR _____
- WATER TREATMENT
- PMU MCAS PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

es/lzc



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
 MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
 2-24-87

DATE OF ANALYSIS
 2-24-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.4	7.4	9.0	7.4	8.2	8.3	NO SAMPLE	8.9
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	4	↑ NO SAMPLE ↓	20
METHYL ORANGE ALKALINITY	74	176	44	156	174	154		148
CARBONATES AS CaCO ₃	8	0	8	0	0	8		40
BICARBONATES AS CaCO ₃	66	176	36	156	174	146		108
CHLORIDES AS Cl	10	12	16	20	16	44		56
HARDNESS AS CaCO ₃	68	62	64	54	60	64		70
IRON AS Fe	←			AA	DOWN	←		
FLUORIDE AM	1.14		1.60					
FLUORIDE PM	1.16	0.17	1.47	0.15	0.12	0.10		0.55
CHLORINE RESIDUAL	1.1	1.2	1.0	1.1	1.4	1.0		0.8
TURBIDITY AM	0.7		1.9					
TURBIDITY PM	1.1	1.1	1.9	0.6	0.3	1.0		0.7
TOTAL PHOSPHATE		2.4						
ORTHO PHOSPHATE		1.0						
META PHOSPHATE		1.4						
STABILITY	+0.8	-0.5	+1.4	-0.5	+0.1	+0.5	↓	+0.8

REMARKS

OB Pond pH = 8.1

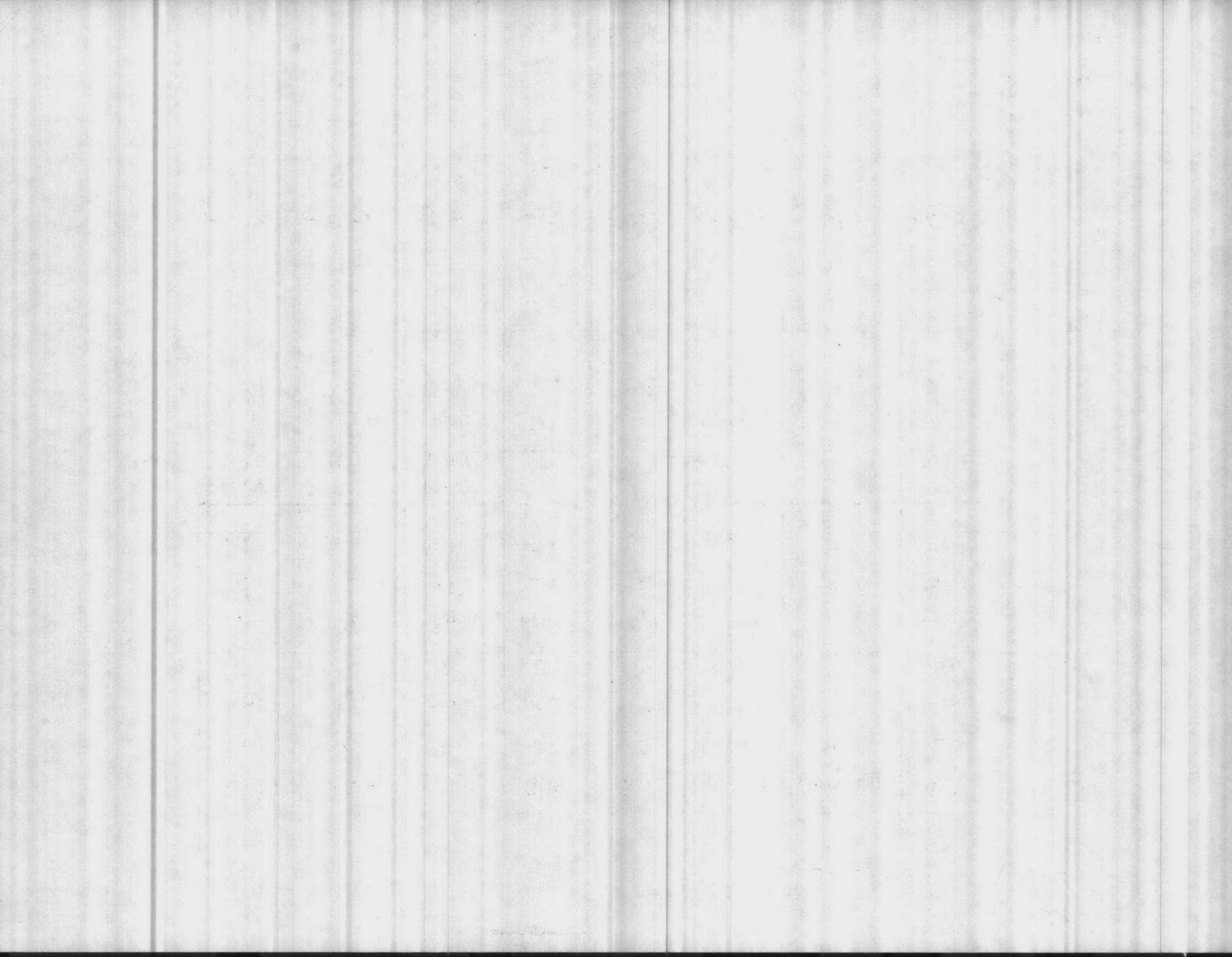
COPY TO:

- UTIL DIR
- WATER TREATMENT
- PMU MCAS PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. Burns & L. Lane



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

2-17-87

DATE OF ANALYSIS

2-17-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
PH	9.3	8.0	9.7	7.9	8.6	8.7	NO SAMPLE	9.2	
PHENOLTHALEIN ALKALINITY	8	0	20	0	6	6	↑ NO SAMPLE ↓	20	
METHYL ORANGE ALKALINITY	52	184	58	170	178	174		150	
CARBONATES AS CaCO ₃	16	0	40	0	12	12		40	
BICARBONATES AS CaCO ₃	36	184	18	170	166	162		110	
CHLORIDES AS Cl	14	14	20	174	20	50		52	
HARDNESS AS CaCO ₃	66	56	66	70	54	56		56	
IRON AS Fe	← AA			DOWN →					
FLUORIDE AM	0.76		0.76						
FLUORIDE PM	0.86	0.15	0.67	0.14	0.10	0.09			0.51
CHLORINE RESIDUAL	0.9	1.2	1.0	1.5	1.5	1.0			0.9
TURBIDITY AM	1.7		2.0						
TURBIDITY PM	1.6	3.3	4.1	3.1	1.2	1.4		1.4	
TOTAL PHOSPHATE		2.4							
ORTHO PHOSPHATE		1.1							
META PHOSPHATE		1.3							
STABILITY	+1.3	-0.6	+2.0	-0.8	-0.2	0.0	↓	+0.5	

REMARKS

COPY TO:

UTIL DIR _____

WATER TREATMENT

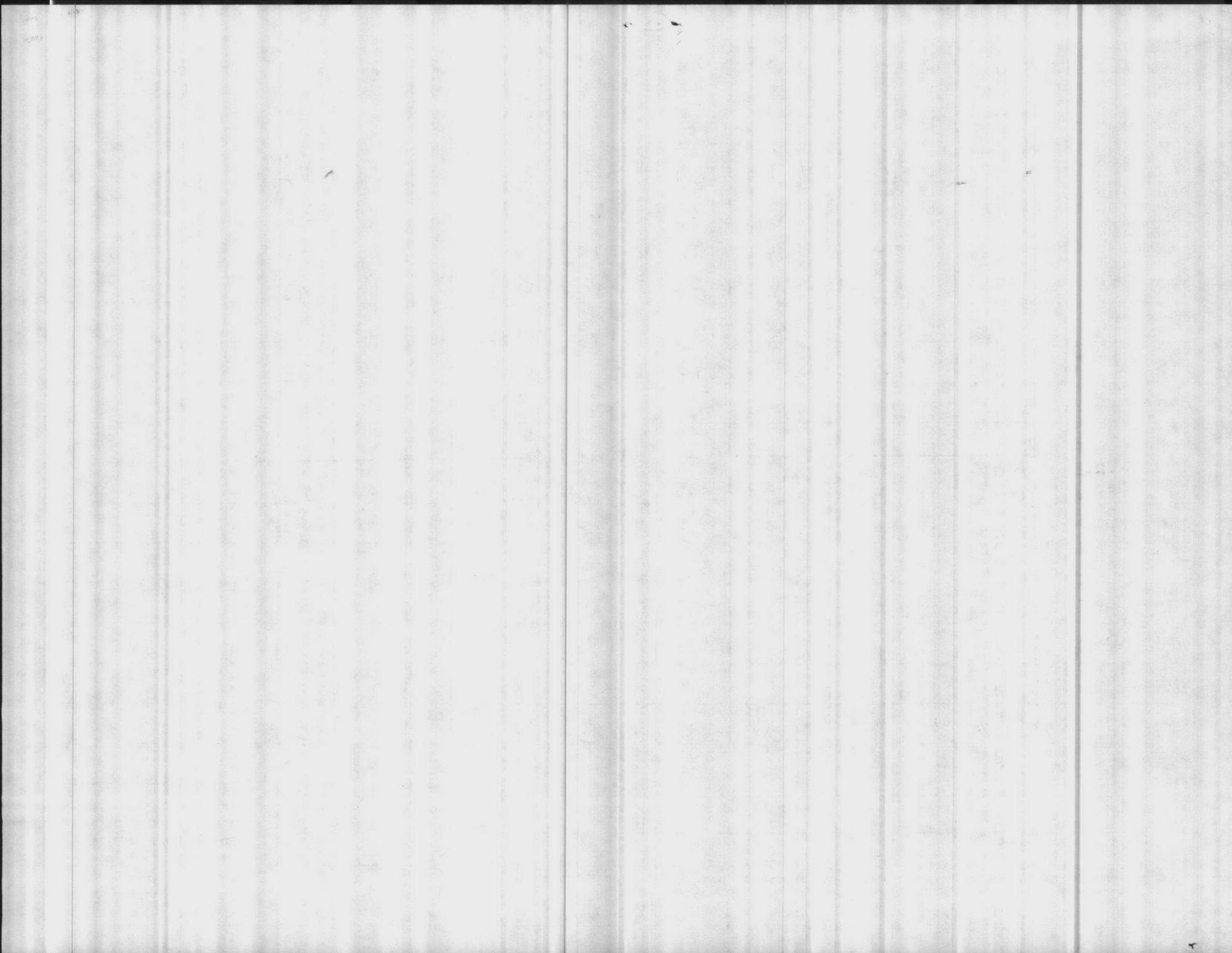
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. Lane + H. Burns



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
2-10-87

DATE OF ANALYSIS
2-10-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5	7.4	9.3	7.5	8.2	8.2	NO SAMPLE	8.8		
PHENOLTHALEIN ALKALINITY	6	0	16	0	0	0		12		
METHYL ORANGE ALKALINITY	60	180	36	166	174	160		146		
CARBONATES AS CaCO ₃	12	0	32	0	0	0		24		
BICARBONATES AS CaCO ₃	48	180	4	166	174	160		122		
CHLORIDES AS Cl	12	10	16	20	18	50		60		
HARDNESS AS CaCO ₃	66	64	62	62	54	54		50		
IRON AS Fe	←————→		A	A	DOWN		←————→			
FLUORIDE AM	0.82		0.83							
FLUORIDE PM	0.85	0.12	0.71	0.13	0.11	0.09		0.54		
CHLORINE RESIDUAL	1.0	1.1	1.0	1.0	1.3	0.8		0.8		
TURBIDITY AM	1.9		7.8							
TURBIDITY PM	0.9	1.0	2.4	0.9	1.1	0.7		1.0		
TOTAL PHOSPHATE		1.70								
ORTHO PHOSPHATE		1.00								
META PHOSPHATE		0.70								
STABILITY	+0.4	-0.7	+0.8	-0.6	0.0	0.0	↓	+0.3		

REMARKS

DB Pond pH = 8.3

COPY TO:

UTIL DIR _____

WATER TREATMENT

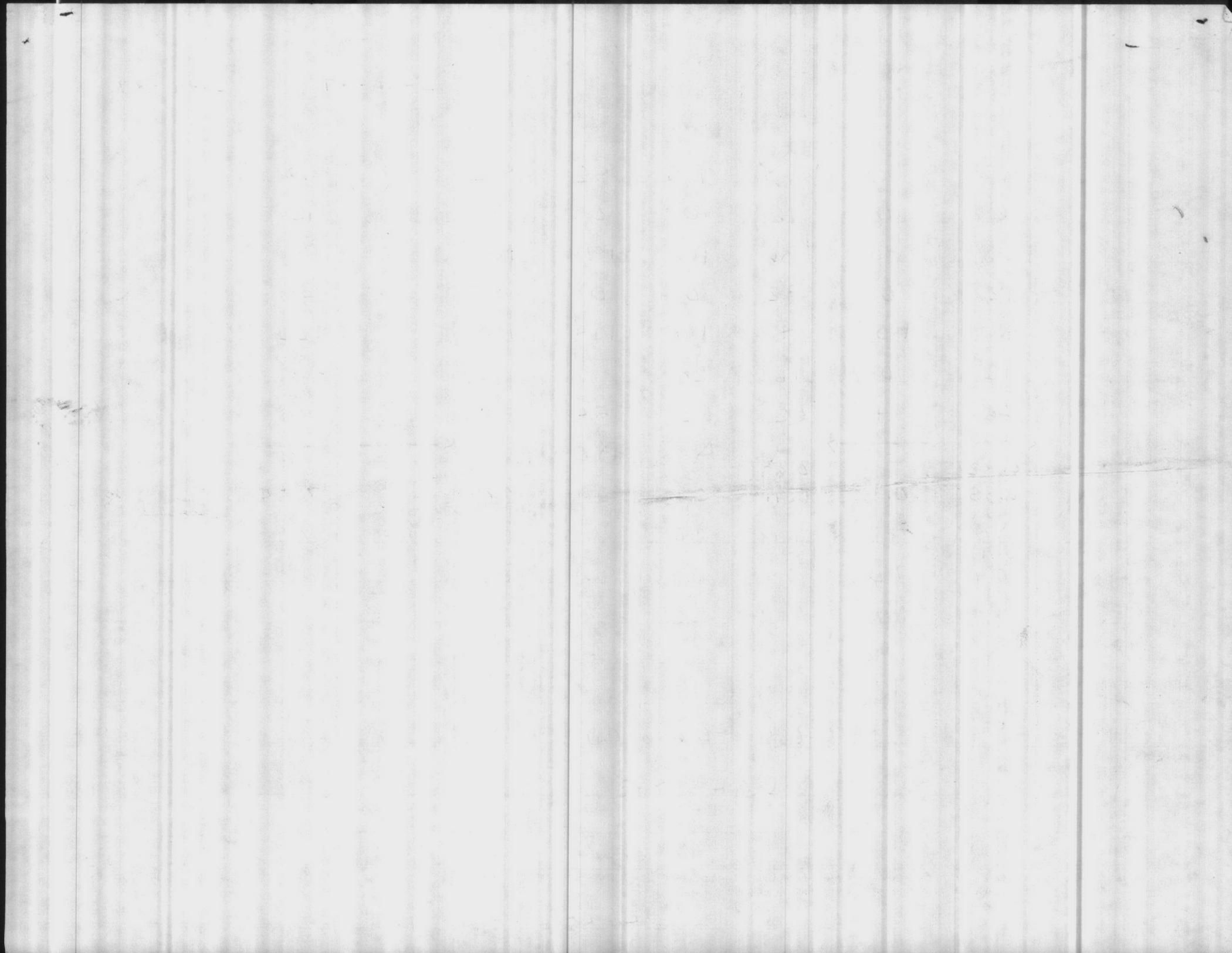
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. LANE + H. BURNS



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

2-3-87

DATE OF ANALYSIS

2-3-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.4	7.2	8.4	7.4	7.9	8.0	8.3	8.5		
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	0	0	10		
METHYL ORANGE ALKALINITY	56	174	50	174	178	168	74	144		
CARBONATES AS CaCO ₃	8	0	8	0	0	0	0	20		
BICARBONATES AS CaCO ₃	48	174	42	174	178	168	74	124		
CHLORIDES AS Cl	12	12	16	18	18	48	10	56		
HARDNESS AS CaCO ₃	62	68	74	52	60	62	76	54		
IRON AS Fe	10.04	0.21	0.06	0.17	40.04	40.04	40.04	0.05		
FLUORIDE	AM	1.17	0.76				1.00			
	PM	1.21	0.14	0.79	0.13	0.10	0.09	1.04	0.53	
CHLORINE RESIDUAL	1.0	1.2	1.0	1.5	1.3	1.0	1.0	1.0		
TURBIDITY	AM	0.9	0.8				0.9			
	PM	1.1	1.7	1.5	1.1	1.2	0.9	3.2	1.6	
TOTAL PHOSPHATE		3.0								
ORTHO PHOSPHATE		1.2								
META PHOSPHATE		1.8								
STABILITY	+0.6	-0.7	+0.6	-0.7	-0.1	-0.1	+0.2	+0.1		

REMARKS

O. B. Pond pH = 7.8

COPY TO:

UTIL DIR

WATER TREATMENT

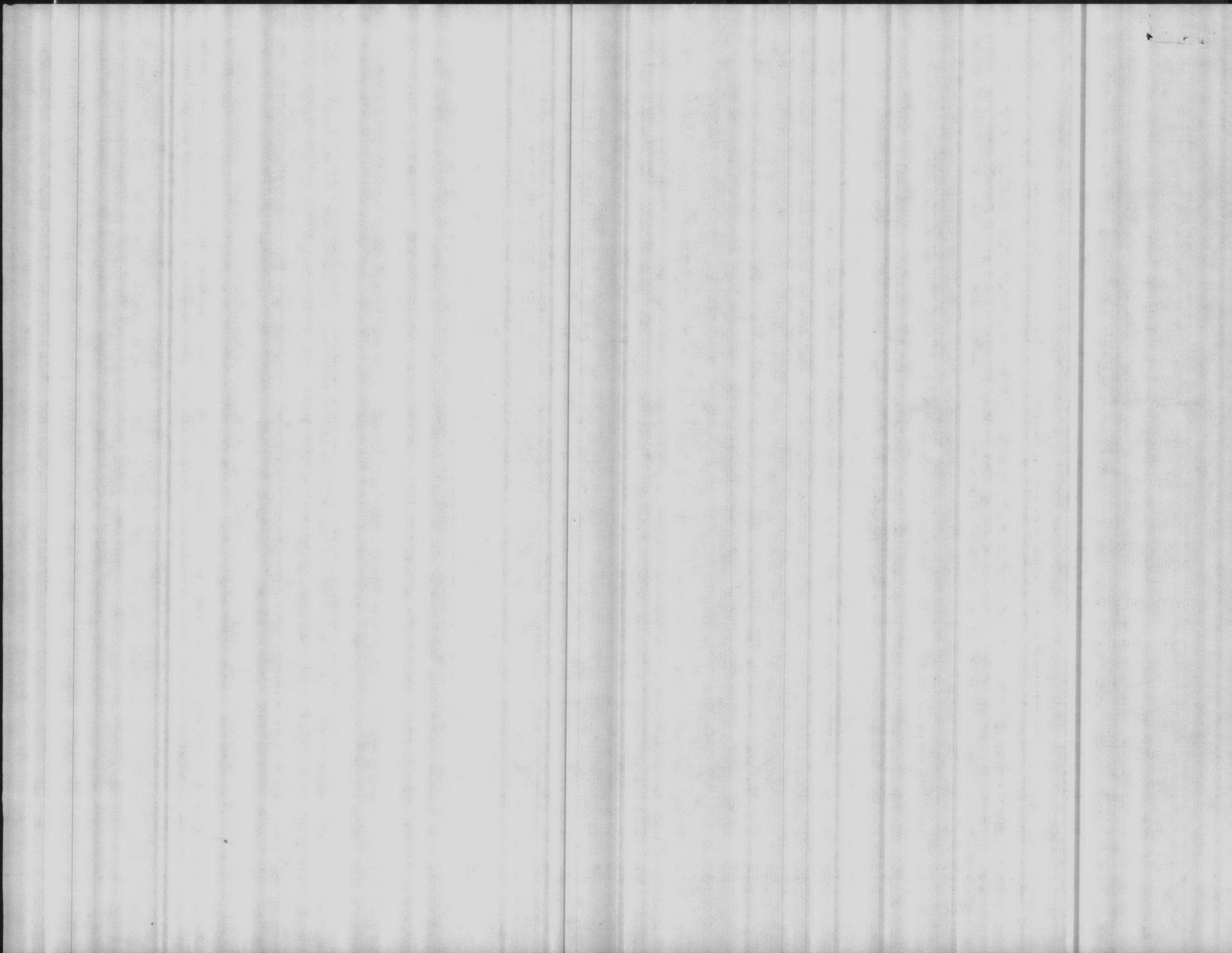
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. Lane & H. Burns



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
1-27-87

DATE OF ANALYSIS
1-27-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8	7.6	8.9	7.6	8.2	8.1	NO SAMPLE	8.8		
PHENOLTHALEIN ALKALINITY	6	0	6	0	0	0	—	12		
METHYL ORANGE ALKALINITY	52	174	42	158	182	162	—	150		
CARBONATES AS CaCO ₃	12	0	12	0	0	0	—	24		
BICARBONATES AS CaCO ₃	40	174	30	158	182	162	—	126		
CHLORIDES AS Cl	14	16	18	30	20	56	—	64		
HARDNESS AS CaCO ₃	58	64	78	48	52	54	—	58		
IRON AS Fe	—	A.A.	Down	—	—	—	—	—		
FLUORIDE	A.M. 0.99		0.81							
	P.M. 1.07	0.17	0.77	0.15	0.12	0.11	—	0.57		
CHLORINE RESIDUAL	0.9	1.4	1.0	1.6	1.5	1.0	—	0.7		
TURBIDITY	A.M.		0.6							
	P.M. 0.6	1.5	0.5	0.4	0.3	0.3	—	1.0		
TOTAL PHOSPHATE		3.33								
ORTHO PHOSPHATE		1.21								
META PHOSPHATE		2.12								
STABILITY	+0.6	-0.5	+0.9	-0.5	0.0	-0.1		+0.2		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

LANE & BURNS

10

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12

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16

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CHEMICAL ANALYSIS — WATER TREATMENT PLANTS
MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
1-20-87

DATE OF ANALYSIS
1-20-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.1	7.5	9.1	7.4	8.1	8.3	8.7	8.8		
PHENOLTHALEIN ALKALINITY	0	0	8	0	0	4	4	8		
METHYL ORANGE ALKALINITY	54	186	44	160	184	160	52	176		
CARBONATES AS CaCO ₃	0	0	16	0	0	8	8	16		
BICARBONATES AS CaCO ₃	54	186	28	160	184	152	44	160		
CHLORIDES AS Cl	12	10	16	18	18	54	14	72		
HARDNESS AS CaCO ₃	62	54	68	160	54	60	60	56		
IRON AS Fe	40.04	0.18	40.04	0.29	40.04	40.04	40.04	40.04		
FLUORIDE	AM	0.77	0.60				0.84			
	PM	0.86	0.12	0.43	0.11	0.09	0.08	0.84	0.58	
CHLORINE RESIDUAL	1.0	1.0	1.1	1.1	1.4	1.0	0.8	0.8		
TURBIDITY	AM	0.2	0.3				0.3			
	PM	0.3	1.5	1.5	0.5	0.4	0.1	0.2	0.2	
TOTAL PHOSPHATE		2.2								
ORTHO PHOSPHATE		1.0								
META PHOSPHATE		1.2								
STABILITY	-0.4	-0.6	+0.9	-0.5	-0.2	0.0	+0.2	+0.1		

REMARKS

OB Pond pH = 7.8

COPY TO:

UTIL DIR _____

WATER TREATMENT

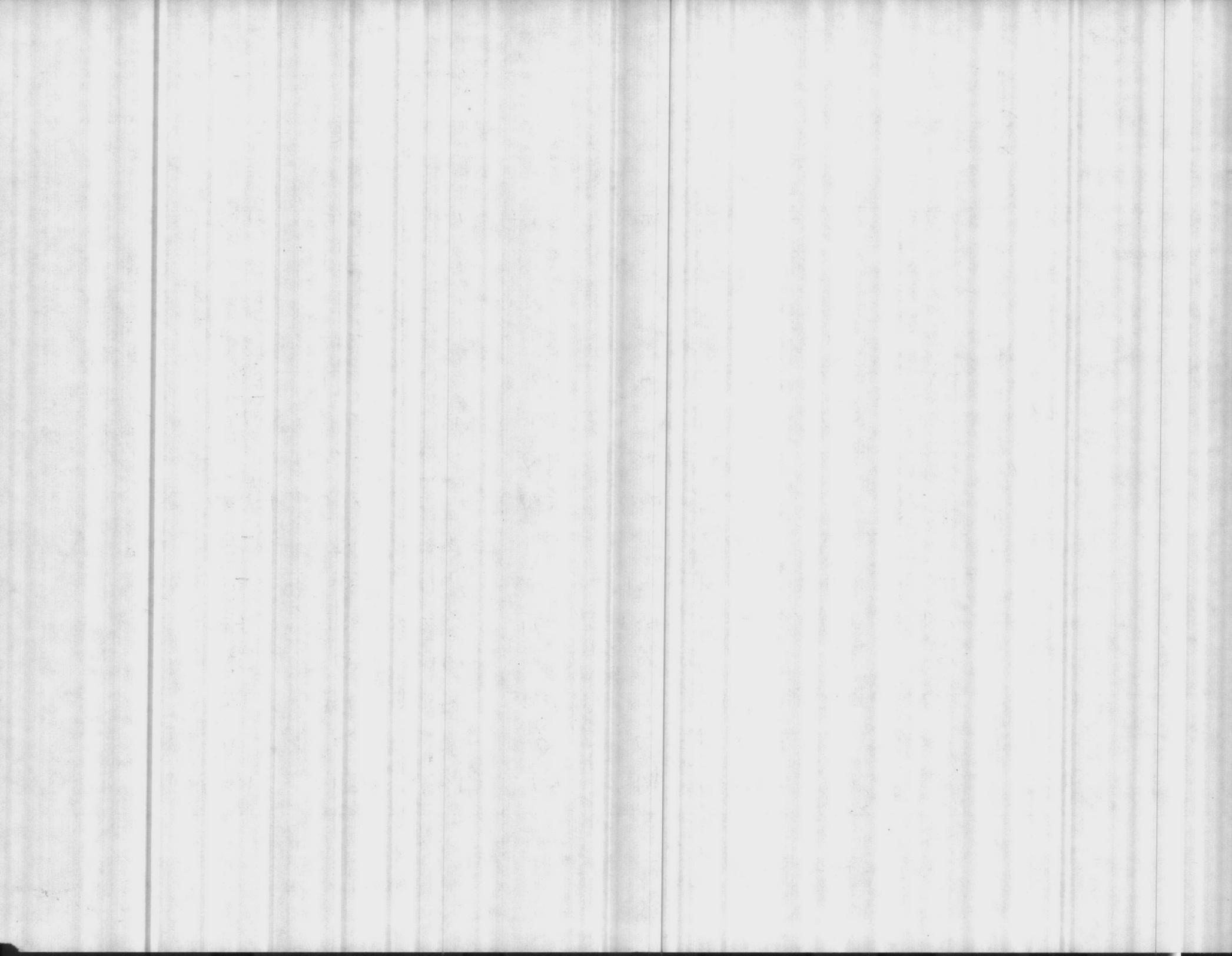
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

Burns + Lane



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

January 13, 1987

DATE OF ANALYSIS

January 13, 1987

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.6	7.4	8.4	7.3	7.7	8.0	8.5	8.5
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	0	4	6
METHYL ORANGE ALKALINITY	54	178	50	162	184	164	56	148
CARBONATES AS CaCO ₃	8	0	8	0	0	0	8	12
BICARBONATES AS CaCO ₃	46	178	42	162	184	164	48	136
CHLORIDES AS Cl	10	12	14	20	14	50	16	60
HARDNESS AS CaCO ₃	62	64	80	110	64	62	64	46
IRON AS Fe	20.04	0.21	20.04	0.22	20.04	20.04	20.04	0.06
FLUORIDE	AM	0.85	0.77				0.90	
	PM	0.88	0.17	0.76	0.15	0.11	0.93	0.56
CHLORINE RESIDUAL	1.0	1.5	1.0	1.0	1.5	1.1	0.9	0.9
TURBIDITY	AM	0.1	0.2				0.1	
	PM	0.2	0.1	0.4	0.1	0.1	0.2	0.1
TOTAL PHOSPHATE		2.2						
ORTHO PHOSPHATE		1.0						
META PHOSPHATE		1.2						
STABILITY	+0.1	-0.5	0.0	-0.5	-0.3	-0.1	+0.1	0.0

REMARKS

DB Pond pH = 8.0

COPY TO:

UTIL DIR _____

WATER TREATMENT

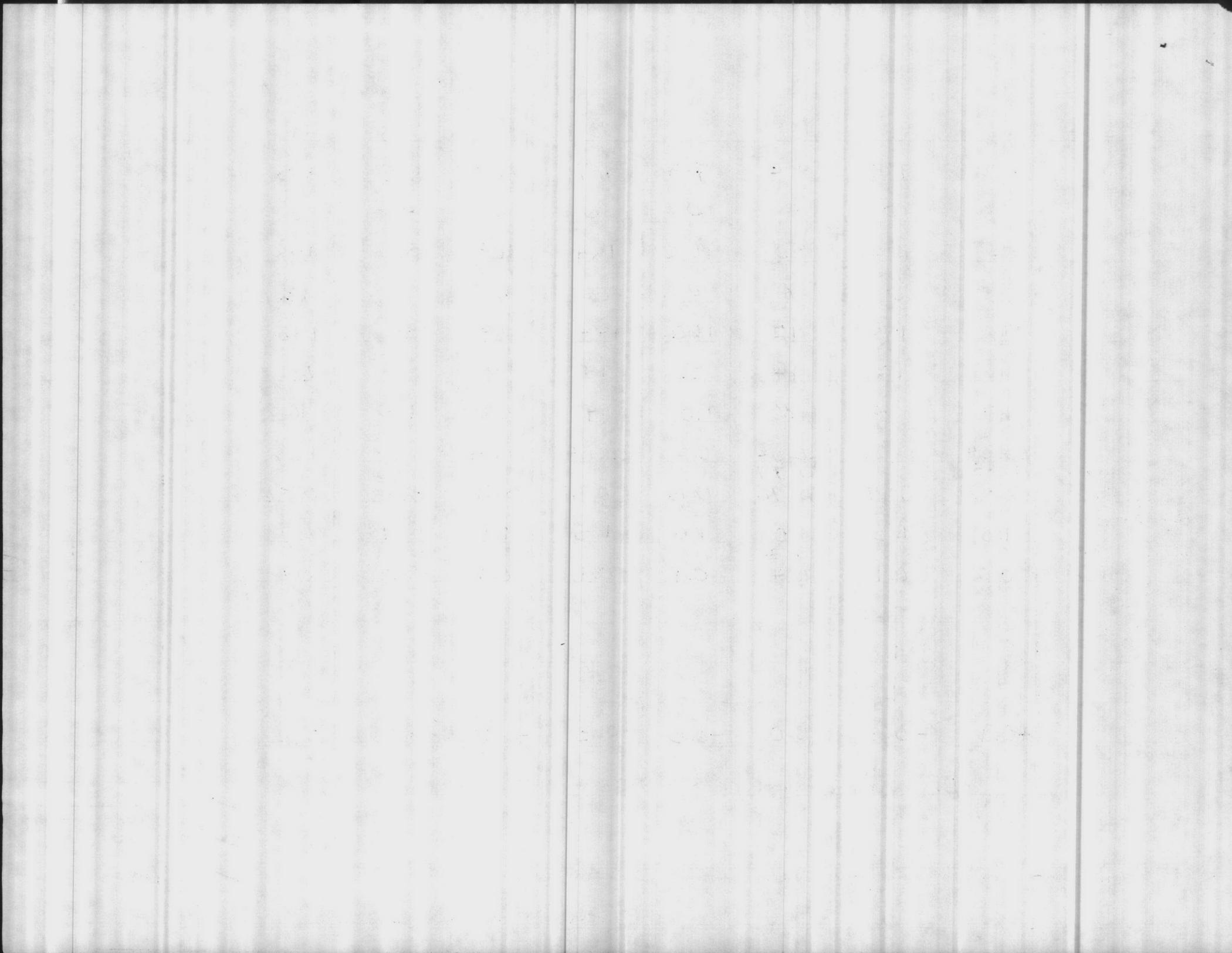
PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

BURNS + Lane



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

1-6-87

DATE OF ANALYSIS

1-6-87

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.6	7.7	8.7	7.4	7.8	8.1	8.9	8.7		
PHENOLTHALEIN ALKALINITY	4	0	2	0	0	0	4	6		
METHYL ORANGE ALKALINITY	82	186	52	162	160	154	56	152		
CARBONATES AS CaCO ₃	8	0	4	0	0	0	8	12		
BICARBONATES AS CaCO ₃	74	186	48	162	160	154	48	140		
CHLORIDES AS Cl	12	14	16	24	24	46	16	66		
HARDNESS AS CaCO ₃	88	54	58	52	58	48	64	58		
IRON AS Fe	LO.04	0.18	LO.04	0.12	LO.04	LO.04	LO.04	LO.04		
FLUORIDE	AM	0.18	No Sample				0.92			
	PM	0.29	0.15	0.96	0.16	0.12	0.11	0.97	0.56	
CHLORINE RESIDUAL	0.7	1.2	1.0	1.3	1.3	1.0	1.2	0.9		
TURBIDITY	AM	1.3	NO Sample				0.1			
	PM	0.7	0.3	0.5	0.5	0.5	0.2	0.2	0.1	
TOTAL PHOSPHATE		1.8								
ORTHO PHOSPHATE		0.9								
META PHOSPHATE		0.9								
STABILITY	+0.1	-0.6	0.0	-0.6	-0.4	-0.2	+0.1	-0.1		

REMARKS

OB Pond pH = 7.9

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. Lane + C. Shores



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

12-30-86

DATE OF ANALYSIS

12-30-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.4	7.4	8.7	7.5	8.1	8.3	8.4	8.5		
PHENOLTHALEIN ALKALINITY	6	0	4	0	0	2	4	6		
METHYL ORANGE ALKALINITY	70	166	44	160	180	150	60	150		
CARBONATES AS CaCO ₃	12	0	8	0	0	4	8	12		
BICARBONATES AS CaCO ₃	58	166	36	160	180	146	52	138		
CHLORIDES AS Cl	14	10	14	20	20	34	12	80		
HARDNESS AS CaCO ₃	72	60	70	60	50	50	64	50		
IRON AS Fe	40.04	0.17	40.04	0.14	40.04	40.04	40.04	40.04		
FLUORIDE	A.M. 0.30	0.16	1.31	0.16	0.13	0.11	0.82	0.72		
	P.M. 0.79		1.22				0.88			
CHLORINE RESIDUAL	1.0	1.3	1.0	0.5	1.3	1.0	1.0	0.8		
TURBIDITY	A.M. 1.0	1.2	0.4	0.1	0.1	0.1	0.1	0.4		
	P.M. 0.4		5.5				0.9			
TOTAL PHOSPHATE		1.8								
ORTHO PHOSPHATE		1.1								
META PHOSPHATE		0.7								
STABILITY	+0.2	-0.5	+0.2	-0.5	-0.1	0.0	+0.1	0.0		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

BURNS

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
12-23-86

DATE OF ANALYSIS
12-23-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.6	7.3	8.7	7.5	7.7	8.2	8.7	8.6		
PHENOLTHALEIN ALKALINITY	4	0	6	0	0	0	8	14		
METHYL ORANGE ALKALINITY	50	170	40	170	176	170	46	140		
CARBONATES AS CaCO ₃	8	0	12	0	0	0	16	28		
BICARBONATES AS CaCO ₃	42	170	28	170	176	170	30	112		
CHLORIDES AS Cl	12	10	12	20	16	30	10	60		
HARDNESS AS CaCO ₃	64	58	74	56	48	56	56	46		
IRON AS Fe	<0.04	0.23	0.15	0.15	<0.04	<0.04	<0.04	<0.04		
FLUORIDE	A.M. 1.08		0.91				0.64			
	P.M. 1.18	0.14	0.84	0.13	0.10	0.09	0.68	0.55		
CHLORINE RESIDUAL	1.0	1.1	1.0	1.3	1.4	1.0	1.1	0.8		
TURBIDITY	A.M. 0.3		0.1				0.1			
	P.M. 0.9	0.4	2.8	0.1	0.1	0.1	0.6	0.1		
TOTAL PHOSPHATE		2.6								
ORTHO PHOSPHATE		1.4								
META PHOSPHATE		1.2								
STABILITY	+0.3	-0.6	+0.3	-0.4	-0.4	0.0	+0.2	+0.1		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS-PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

LANE + BURNS

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

12-16-86

DATE OF ANALYSIS

12-16-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	9.0	7.3	8.5	7.3	7.8	8.0	No/SAMPLES	8.4		
PHENOLTHALEIN ALKALINITY	10	0	2	0	0	0	"	12		
METHYL ORANGE ALKALINITY	40	190	40	166	194	160	"	136		
CARBONATES AS CaCO ₃	20	0	4	0	0	0	"	24		
BICARBONATES AS CaCO ₃	20	190	36	166	194	160	"	112		
CHLORIDES AS Cl	10	10	14	20	20	50	"	60		
HARDNESS AS CaCO ₃	50	60	64	52	52	54	"	46		
IRON AS Fe	40.04	0.22	40.04	0.14	40.04	40.04	"	40.04		
FLUORIDE	A.M. 0.92		0.85				"			
	P.M. 0.99	0.15	1.23	0.14	0.10	0.09	"	0.56		
CHLORINE RESIDUAL	1.1	1.4	1.0	1.3	1.2	1.0	"	0.8		
TURBIDITY	A.M. 12.7		0.1				"			
	P.M. 0.2	1.2	0.5	0.1	0.1	0.6	"	0.1		
TOTAL PHOSPHATE		2.6								
ORTHO PHOSPHATE		1.4								
META PHOSPHATE		1.2								
STABILITY	+0.4	-0.4	+0.3	-0.5	-0.2	0.0	"	0.0		

REMARKS

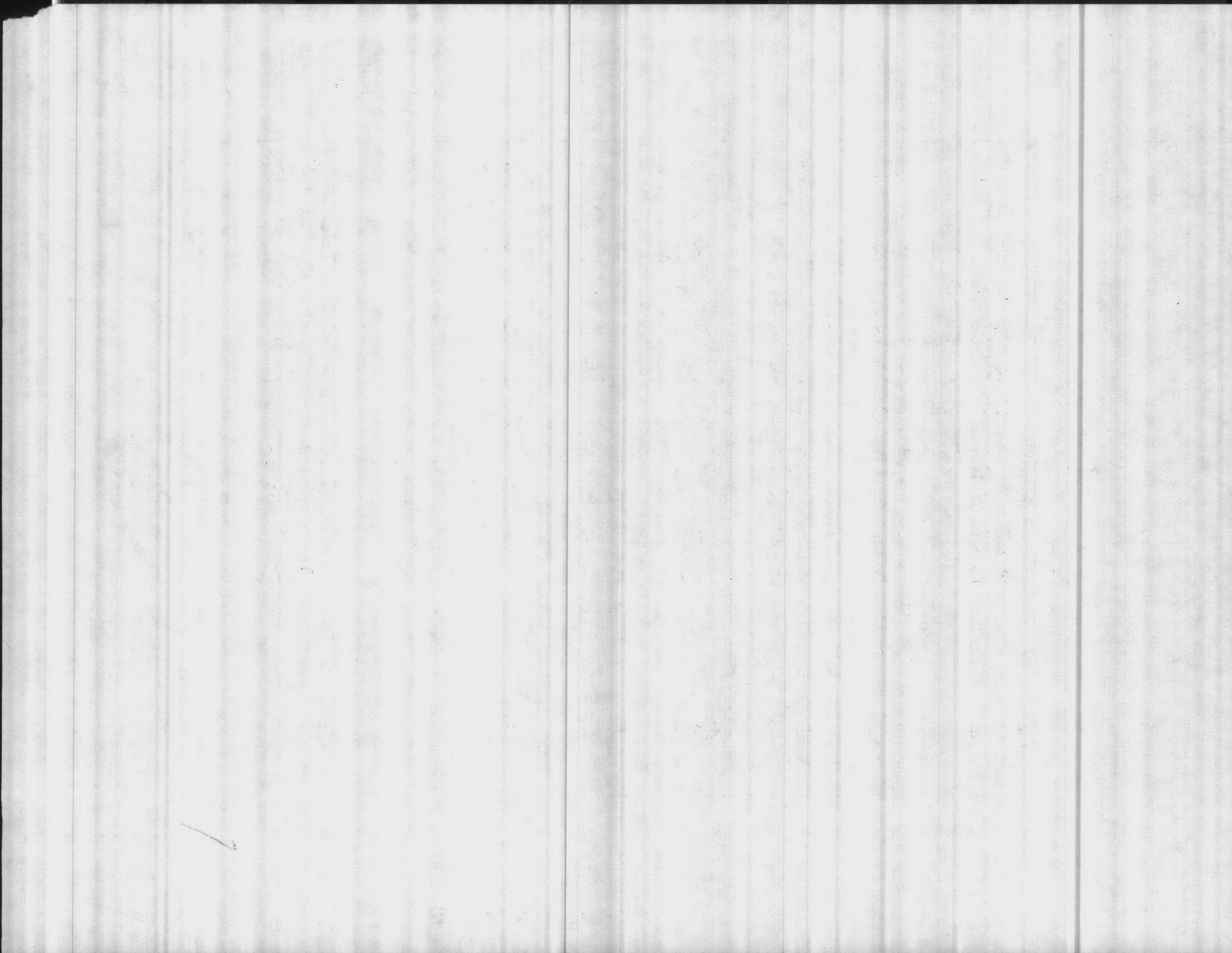
COPY TO:

- UTIL DIR _____
- WATER TREATMENT
- PMU MCAS-PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

LANE & BURNS



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
12-9-86

DATE OF ANALYSIS
12-9-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.6	7.5	8.7	7.5	8.0	8.3	8.5	8.7		
PHENOLTHALEIN ALKALINITY	6	0	4	0	0	2	4	16		
METHYL ORANGE ALKALINITY	60	170	44	160	170	140	50	144		
CARBONATES AS CaCO ₃	12	0	8	0	0	4	8	32		
BICARBONATES AS CaCO ₃	48	170	36	160	170	136	42	112		
CHLORIDES AS Cl	10	10	14	20	14	20	10	60		
HARDNESS AS CaCO ₃	64	60	60	60	50	56	56	46		
IRON AS Fe	20.04	0.27	20.04	0.15	20.04	20.04	20.04	20.04		
FLUORIDE	A.M. 0.82		0.97				0.91			
	P.M. 0.88	0.17	0.98	0.16	0.13	0.11	0.93	0.58		
CHLORINE RESIDUAL	0.9	1.3	1.1	1.3	1.5	1.0	1.2	0.8		
TURBIDITY	A.M. 0.1		0.8				0.1			
	P.M. 0.1	1.6	2.2	0.1	0.1	0.9	0.4	0.1		
TOTAL PHOSPHATE		2.0								
ORTHO PHOSPHATE		1.1								
META PHOSPHATE		0.9								
STABILITY	40.3	-0.4	40.1	-0.5	-0.2	0.0	+0.2	+0.1		

REMARKS

COPY TO:

- UTIL DIR _____
 WATER TREATMENT
 PMU MCAS PMU
 NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

LONE + Burns

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

12-2-86

DATE OF ANALYSIS

12-2-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.8	7.7	8.9	7.6	8.0	8.4	8.8	8.7		
PHENOLTHALEIN ALKALINITY	6	0	6	0	0	0	4	8		
METHYL ORANGE ALKALINITY	62	184	46	166	176	166	52	166		
CARBONATES AS CaCO ₃	12	0	12	0	0	0	8	16		
BICARBONATES AS CaCO ₃	50	184	34	166	176	166	44	150		
CHLORIDES AS Cl	12	14	20	20	18	24	12	58		
HARDNESS AS CaCO ₃	66	74	84	50	54	50	58	60		
IRON AS Fe	20.04	0.19	20.04	20.04	0.11	20.04	20.04	20.04		
FLUORIDE	A.M. 1.21		0.97				1.16			
	P.M. 1.20	0.20	1.10	0.18	0.15	0.12	1.00	0.64		
CHLORINE RESIDUAL	1.0	1.3	1.0	1.4	1.5	1.0	1.0	0.8		
TURBIDITY	A.M. 0.1		0.1				0.3			
	P.M. 0.2	0.4	0.20	0.1	0.1	2.0	1.2	0.4		
TOTAL PHOSPHATE		2.2								
ORTHO PHOSPHATE		1.1								
META PHOSPHATE		1.1								
STABILITY	+0.5	-0.4	+0.3	-0.4	-0.2	+0.1	+0.2	+0.2		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

LANE + BURNS

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

11-18-86

DATE OF ANALYSIS

11-18-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.2	7.2	8.2	7.3	7.9	7.7	8.0	8.3		
PHENOLTHALEIN ALKALINITY	4	0	0	0	0	0	0	10		
METHYL ORANGE ALKALINITY	68	168	50	168	184	184	62	154		
CARBONATES AS CaCO ₃	8	0	0	0	0	0	0	20		
BICARBONATES AS CaCO ₃	60	168	50	168	184	184	62	134		
CHLORIDES AS Cl	16	14	14	24	22	46	16	66		
HARDNESS AS CaCO ₃	80	62	74	52	46	62	68	48		
IRON AS Fe	20.04	0.14	20.04	20.04	20.04	20.04	20.04	20.04		
FLUORIDE	AM PM 0.45 0.47	0.20	0.91 0.88	0.18	0.14	0.13	0.87 1.00	0.58		
CHLORINE RESIDUAL	1.0	1.1	1.0	1.5	1.1	1.0	0.9	1.0		
TURBIDITY	AM PM 0.4 0.4	0.9	0.3 2.2	0.4	0.5	0.4	0.8 2.1	0.6		
TOTAL PHOSPHATE		2.7								
ORTHO PHOSPHATE		1.3								
META PHOSPHATE		1.4								
STABILITY	0	-0.6	0	-0.7	-0.3	-0.4	-0.3	-0.1		

REMARKS

DB Pond pH = 7.7

COPY TO:

UTIL DIR _____

WATER TREATMENT

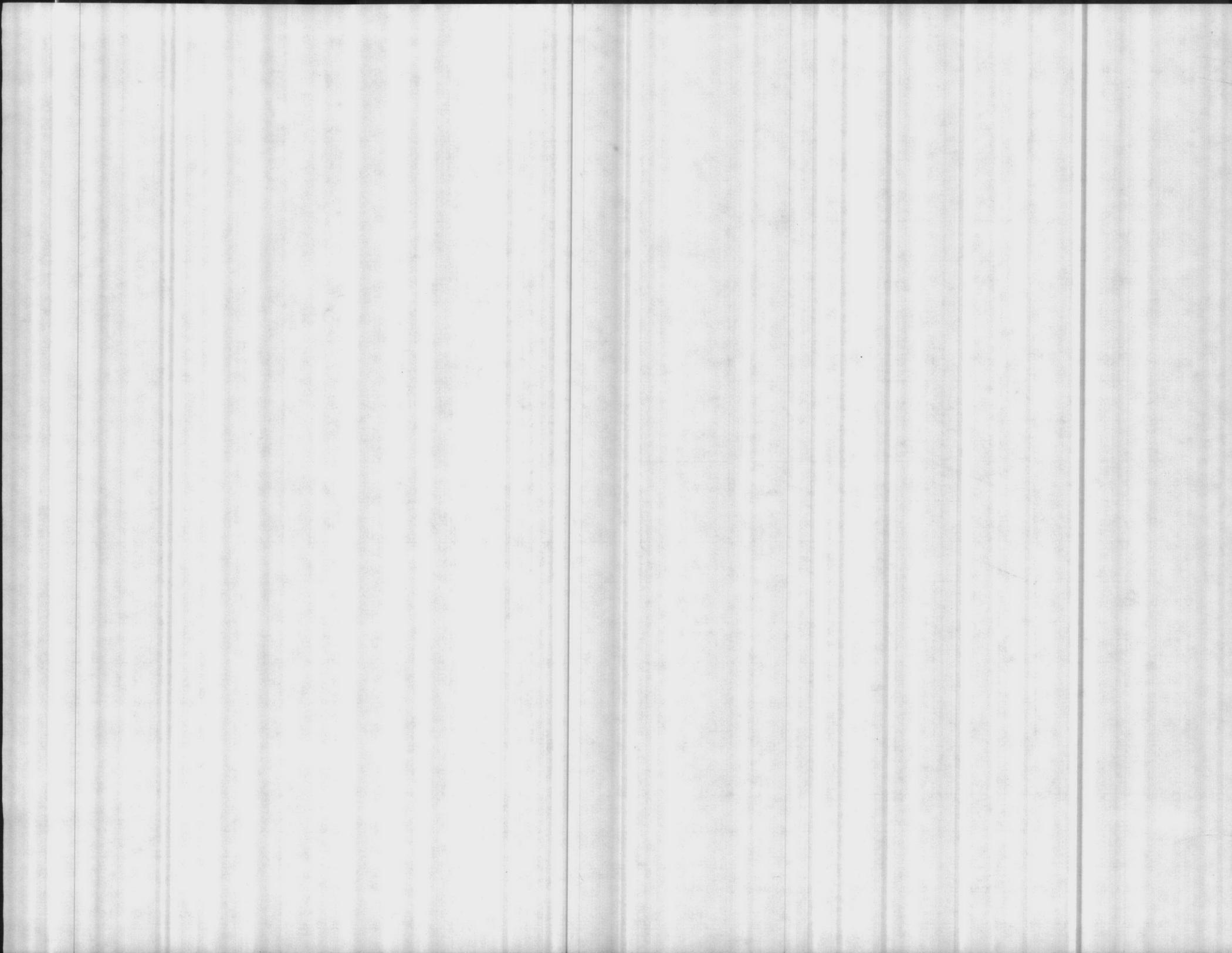
PMU MCAS-PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. Lane + C. Shores



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

11-25-86

DATE OF ANALYSIS

11-25-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5	7.3	8.6	7.3	7.7	8.0	8.3	8.6		
PHENOLTHALEIN ALKALINITY	4	0	6	0	0	0	2	18		
METHYL ORANGE ALKALINITY	54	170	46	156	170	160	50	140		
CARBONATES AS CaCO ₃	8	0	12	0	0	0	4	36		
BICARBONATES AS CaCO ₃	46	170	34	156	170	160	46	104		
CHLORIDES AS Cl	10	10	10	20	16	26	10	60		
HARDNESS AS CaCO ₃	64	56	80	56	48	52	64	46		
IRON AS Fe	<0.04	0.18	<0.04	0.09	0.05	0.05	<0.04	<0.04		
FLUORIDE	A.M. 1.44		0.79				0.94			
	P.M. 1.43	0.20	0.86	0.18	0.16	0.14	0.91	0.63		
CHLORINE RESIDUAL	1.1	1.3	1.0	1.3	1.4	1.1	1.0	0.9		
TURBIDITY	0.2		0.1				0.1			
	0.1	2.2	0.6	0.1	0.1	0.1	0.7	0.1		
TOTAL PHOSPHATE		1.8								
ORTHO PHOSPHATE		1.0								
META PHOSPHATE		0.8								
STABILITY	+0.3	-0.6	+0.3	-0.8	-0.4	-0.2	-0.1	+0.1		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

BURNS + LAWRIE

1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

1881

1882

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

11-12-86

DATE OF ANALYSIS

11-12-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.7	7.4	8.7	7.7	8.2	8.0	8.6	8.7		
PHENOLTHALEIN ALKALINITY	4	0	10	0	0	0	6	16		
METHYL ORANGE ALKALINITY	54	176	48	170	168	170	56	148		
CARBONATES AS CaCO ₃	8	0	20	0	0	0	12	32		
BICARBONATES AS CaCO ₃	46	176	28	170	168	170	44	116		
CHLORIDES AS Cl	10	14	16	24	20	44	16	60		
HARDNESS AS CaCO ₃	74	68	74	54	44	62	78	52		
IRON AS Fe	20.04	0.21	0.24	0.12	20.04	20.04	20.04	20.04		
FLUORIDE	Am Pm 0.95 1.15	0.18	0.81 0.72	0.17	0.13	0.12	0.77 0.71	0.59		
CHLORINE RESIDUAL	1.0	1.2	1.0	1.5	1.5	1.6	0.9	0.7		
TURBIDITY	Am Pm 0.6 0.6	1.1	0.7 5.8	0.5	0.4	0.5	0.8 3.5	0.8		
TOTAL PHOSPHATE		1.95								
ORTHO PHOSPHATE		1.11								
META PHOSPHATE		0.84								
STABILITY	+0.4	-0.8	+0.1	-0.5	-0.1	-0.2	+0.2	+0.1		

REMARKS

DB Pond pH = 8.1

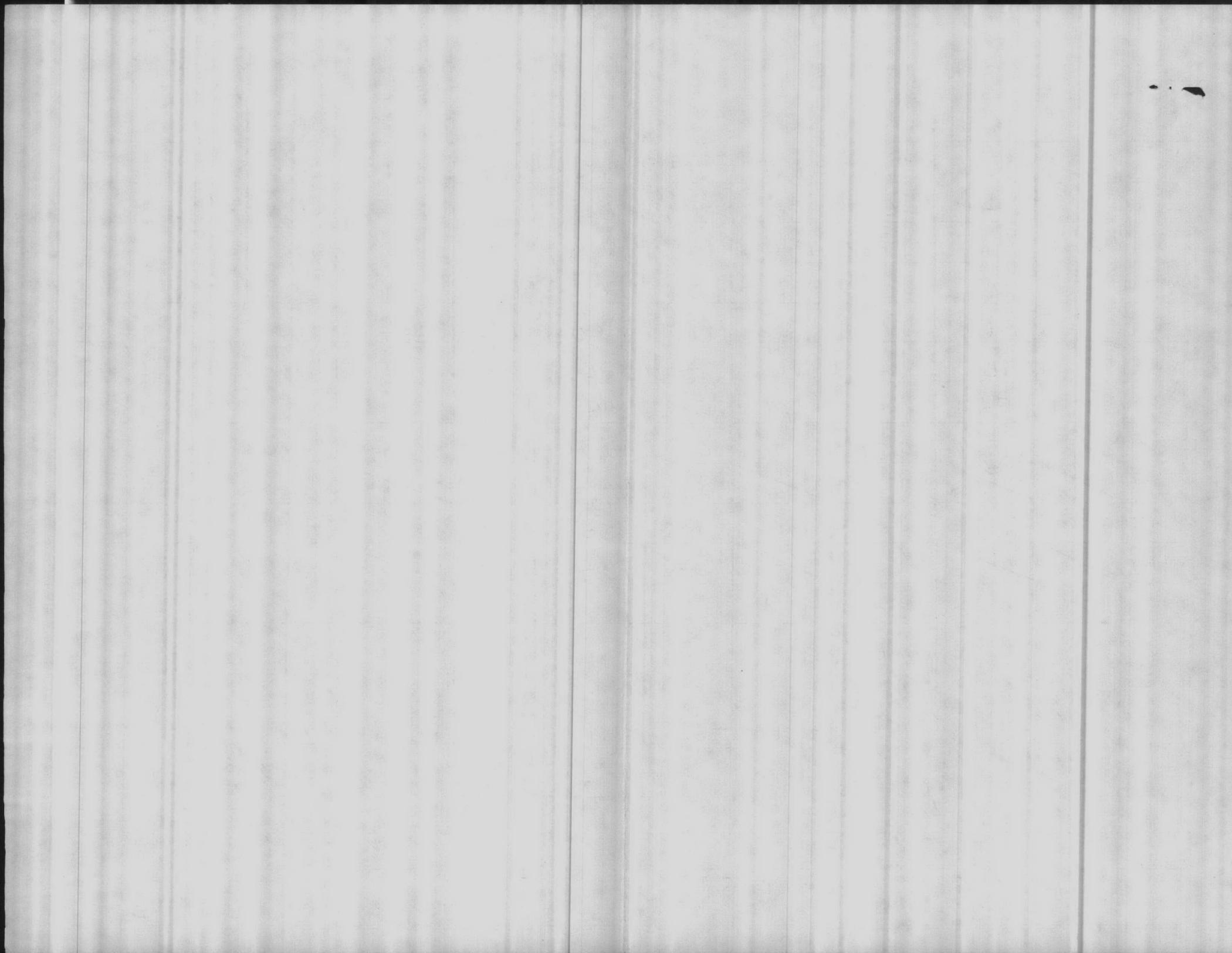
COPY TO:

- UTIL DIR
- WATER TREATMENT
- PMU MCAS PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. Lane + T. Barber



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

11-4-86

DATE OF ANALYSIS

11-4-86

PARAMETER	HADNOT POINT	CAMP. JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	9.2	7.3	8.5	7.4	7.7	8.0	8.4	8.6		
PHENOLTHALEIN ALKALINITY	10	0	4	0	0	0	2	18		
METHYL ORANGE ALKALINITY	42	170	58	150	170	170	54	146		
CARBONATES AS CaCO ₃	20	0	8	0	0	0	4	36		
BICARBONATES AS CaCO ₃	22	170	50	150	170	170	50	110		
CHLORIDES AS Cl	10	10	16	18	14	40	10	60		
HARDNESS AS CaCO ₃	52	60	70	58	72	60	70	44		
IRON AS Fe	<0.04	0.24	<0.04	0.12	0.06	<0.04	0.04	<0.04		
FLUORIDE	AM 1.08 PM 1.06	0.25	0.83 0.89	0.20	0.15	0.14	1.08 1.09	0.59		
CHLORINE RESIDUAL	1.1	1.4	1.0	1.5	1.4	1.0	1.0	0.8		
TURBIDITY	AM 0.5 PM 0.6	0.9	0.5 0.5	0.4	0.4	0.6	0.6 0.9	0.9		
TOTAL PHOSPHATE		1.9								
ORTHO PHOSPHATE		1.2								
META PHOSPHATE		0.7								
STABILITY	+0.7	-0.7	+0.4	-0.7	-0.3	-0.1	+0.4	+0.3		

REMARKS

OB Pond = 8.0 pH

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS-PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. Burns + L. Lane

11/11/11

11/11/11

11/11/11

11/11/11

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11/11/11

11/11/11

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11/11/11

11/11/11

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

10-28-86

DATE OF ANALYSIS

10-28-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.3	7.2	8.5	7.6	8.0	8.2	8.6	8.7
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	0	4	22
METHYL ORANGE ALKALINITY	54	170	58	160	170	170	50	150
CARBONATES AS CaCO ₃	8	0	8	0	0	0	8	44
BICARBONATES AS CaCO ₃	46	170	50	160	170	170	42	106
CHLORIDES AS Cl	14	10	10	20	14	38	10	64
HARDNESS AS CaCO ₃	64	60	70	72	62	60	60	48
IRON AS Fe	20.04	0.20	20.04	0.19	20.04	20.04	20.04	20.04
FLUORIDE	AM 1.05 PM 1.06	0.17	0.55 0.48	0.17	0.13	0.11	0.87 0.90	0.59
CHLORINE RESIDUAL	1.0	1.0	1.0	1.4	1.3	1.0	0.8	0.8
TURBIDITY	AM 0.5 PM 0.4	1.0	0.6 0.6	0.5	0.5	0.5	1.3 4.9	1.0
TOTAL PHOSPHATE		2.7						
ORTHO PHOSPHATE		1.5						
META PHOSPHATE		1.2						
STABILITY	-0.2	-1.0	+0.3	-0.6	-0.2	-0.1	+0.3	+0.7

REMARKS

OB Pond = 7.8 pH

COPY TO:

- UTIL DIR
- WATER TREATMENT
- PMU MCAS-PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. Burns + S. Lane

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CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
10-21-86

DATE OF ANALYSIS
10-21-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	9.1	7.3	8.4	7.2	7.8	7.9	8.3	8.4		
PHENOLTHALEIN ALKALINITY	14	0	4	0	0	0	4	10		
METHYL ORANGE ALKALINITY	56	178	56	164	186	162	96	160		
CARBONATES AS CaCO ₃	28	0	8	0	0	0	8	20		
BICARBONATES AS CaCO ₃	28	178	48	164	186	162	88	140		
CHLORIDES AS Cl	10	12	14	20	22	38	16	66		
HARDNESS AS CaCO ₃	64	70	74	52	64	70	90	44		
IRON AS Fe	<0.04	0.20	<0.04	0.18	<0.04	<0.04	<0.04	<0.04		
FLUORIDE	AM 0.93 PM 1.08	0.17	0.64 0.64	0.14	0.10	0.9	0.84 0.83	0.53		
CHLORINE RESIDUAL	1.1	1.0	1.0	1.3	1.6	1.1	0.9	0.8		
TURBIDITY	AM 0.9 PM 0.4	1.1	0.2 0.5	0.3	0.2	0.3	0.2 0.5	0.6		
TOTAL PHOSPHATE		1.8								
ORTHO PHOSPHATE		0.9								
META PHOSPHATE		0.9								
STABILITY	+0.7	-0.6	+0.2	-0.7	-0.2	-0.1	+0.3	+0.2		

REMARKS

DB Pond pH = 8.0

COPY TO:

UTIL DIR _____

WATER TREATMENT

PMU MCAS-PMU

NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

L. Lane and T. Barber

1/2

2/3

3/4

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10/11

11/12

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CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
14 OCT 86

DATE OF ANALYSIS
14 OCT 86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.0	7.3	8.6	7.8	8.4	8.5	8.4	8.7		
PHENOLTHALEIN ALKALINITY	0	0	8	0	8	4	2	8		
METHYL ORANGE ALKALINITY	58	194	60	162	168	162	64	164		
CARBONATES AS CaCO ₃	0	0	16	0	16	8	4	16		
BICARBONATES AS CaCO ₃	58	194	44	162	152	154	60	148		
CHLORIDES AS Cl	10	8	12	18	14	18	12	54		
HARDNESS AS CaCO ₃	60	70	78	64	46	50	72	54		
IRON AS Fe	<0.04	0.19	<0.04	0.15	<0.04	<0.04	<0.04	<0.04		
FLUORIDE AM/PM	1.08/1.13	0.16	1.03/0.93	0.15	0.11	0.09	0.95/0.93	0.63		
CHLORINE RESIDUAL	1.0	1.5	1.0	1.4	1.4	1.2	1.1	0.7		
TURBIDITY AM/PM	0.2/0.2	0.9	0.4/1.0	0.2	0.2	0.5	0.2/0.5	0.3		
TOTAL PHOSPHATE		1.4								
ORTHO PHOSPHATE		0.8								
META PHOSPHATE		0.6								
STABILITY	-0.4	-1.0	+0.2	-0.6	-0.2	0	+0.1	0		

REMARKS

OB POND PH = 8.3

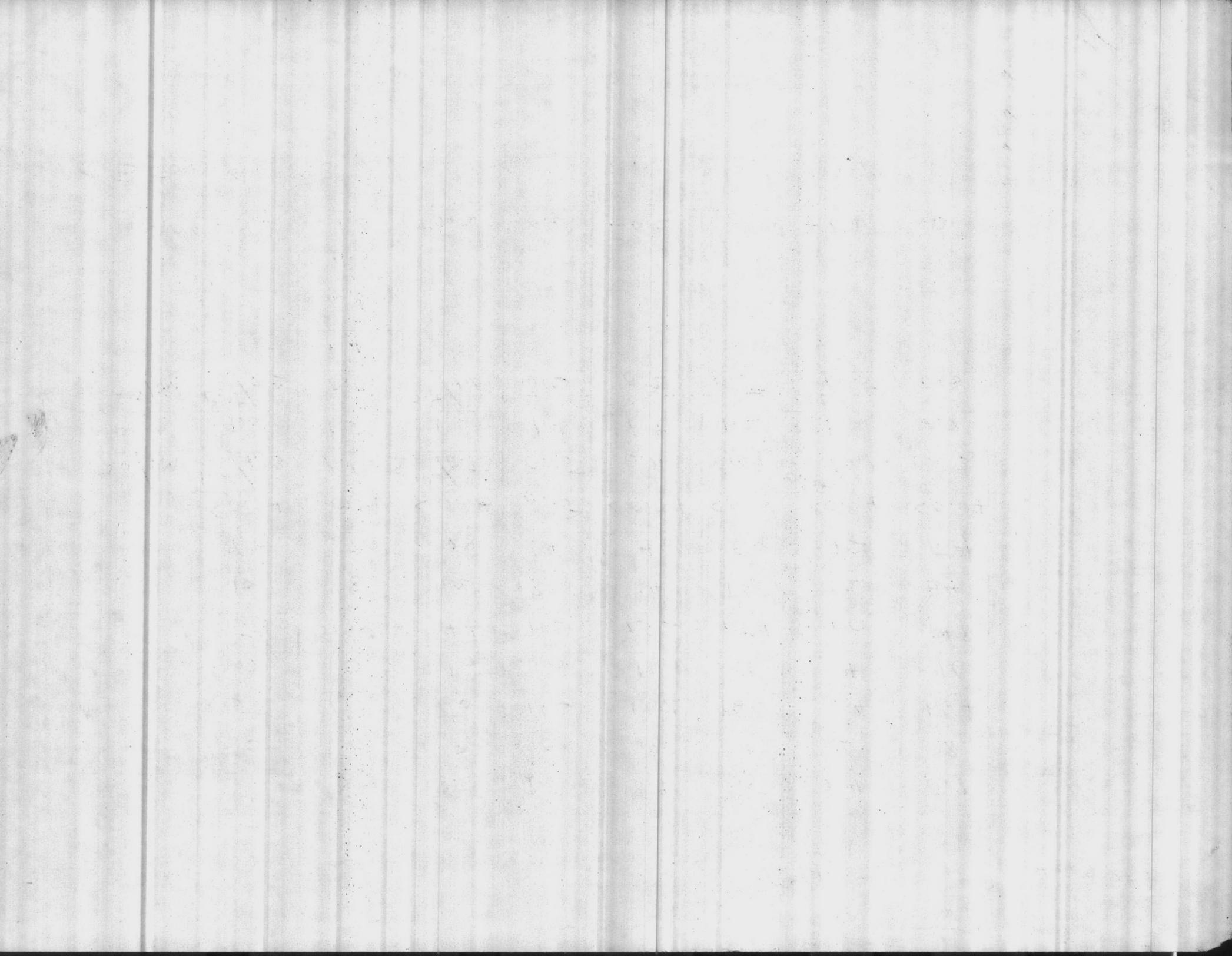
COPY TO:

- UTIL DIR
- WATER TREATMENT
- PMU
- MCAS-PMU
- NREAD
- FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

the Barber



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
9-29-86

DATE OF ANALYSIS
9-29-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5	7.4	9.1	7.4	8.2	8.3	8.5	8.7		
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	4	4	16		
METHYL ORANGE ALKALINITY	50	178	36	160	170	150	56	148		
CARBONATES AS CaCO ₃	8	0	8	0	0	8	8	32		
BICARBONATES AS CaCO ₃	42	178	28	160	170	142	48	106		
CHLORIDES AS Cl	10	10	12	16	14	24	12	60		
HARDNESS AS CaCO ₃	64	70	68	50	40	48	62	44		
IRON AS Fe	<0.04	0.20	0.08	0.29	<0.04	<0.04	0.05	<0.04		
FLUORIDE	A.M. 1.10		0.18				0.92			
	P.M. 1.17	0.15	0.83	0.15	0.11	0.10	0.95	0.64		
CHLORINE RESIDUAL	1.0	1.3	1.0	1.5	1.3	1.0	1.1	0.8		
TURBIDITY	A.M. 0.3		0.2				0.5			
	P.M. 0.4	1.4	1.6	0.5	0.9	0.2	5.2	0.5		
TOTAL PHOSPHATE		1.6								
ORTHO PHOSPHATE		0.8								
META PHOSPHATE		0.8								
STABILITY	+0.1	-0.7	+0.8	-0.6	0.0	0.0	+0.1	+0.2		

REMARKS

COPY TO:

- UTIL DIR _____
- WATER TREATMENT
- PMU MCAS PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

BURNS + LAMB

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED
10-7-86

DATE OF ANALYSIS
10-7-86

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.5	7.4	9.7	7.4	7.8	8.1	8.5	8.6		
PHENOLTHALEIN ALKALINITY	4	0	18	0	0	0	4	14		
METHYL ORANGE ALKALINITY	54	176	40	160	170	140	56	160		
CARBONATES AS CaCO ₃	8	0	36	0	0	0	8	28		
BICARBONATES AS CaCO ₃	46	176	4	160	170	140	48	132		
CHLORIDES AS Cl	10	10	10	18	16	20	10	64		
HARDNESS AS CaCO ₃	64	72	50	54	64	52	64	60		
IRON AS Fe	<0.04	0.23	<0.04	0.18	<0.04	<0.04	<0.04	<0.04		
FLUORIDE	AM 0.56 PM 0.53	0.15	AM 0.18 PM 0.71	0.16	0.11	0.09	AM 0.94 PM 0.93	0.62		
CHLORINE RESIDUAL	1.1	1.2	1.0	1.4	1.4	1.0	1.1	0.8		
TURBIDITY	AM 0.2 PM 0.2	1.6	AM 6.3 PM 0.8	0.2	0.2	0.2	AM 0.4 PM 1.7	0.4		
TOTAL PHOSPHATE		1.8								
ORTHO PHOSPHATE		0.9								
META PHOSPHATE		0.9								
STABILITY	+0.5	-0.6	+0.7	-0.7	-0.3	-0.1	+0.4	+0.2		

REMARKS

DB Pond pH = 8.3

COPY TO:

- UTIL DIR _____
- WATER TREATMENT
- PMU MCAS PMU
- NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

H. Burns + L. Lane

11330.2 CHEMICAL
ANALYSES